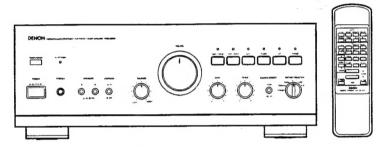
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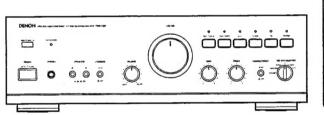
Hi-Fi Integrated Stereo Amplifier

SERVICE MANUAL DDEL PMA-925R/725R

INTEGRATED STEREO AMPLIFIER



PMA-925R





PMA-725R

CONTENTS

OPERATING INSTRUCTIONS	2~7
REMOVAL OF EACH SECTION	
FUNCTION OF NEW CIRCUIT	10,11
METHOD OF ADJUSTMENTS	12
BLOCK AND LEVEL DIAGRAM	13
SEMICONDUCTORS	14, 15
PRINTED WIRING BOARD	16~19
NOTE FOR PARTS LIST	20
PARTS LIST OF P.W.B. ASS'Y	20-25
PMA-925R	20~23
PMA-725R	23-25
EXPLODED VIEW OF CHASSIS AND CABINET, PARTS LIST OF EXPLODED VIEW	26~29
PMA-925R	26.27
PMA-725R	28.29
WIRING DIAGRAM	30
SCHEMATIC DIAGRAM	31-34
SCHEMATIC DIAGRAM	21 22
PMA-925R	
DMA_795R	

NIPPON COLUMBIA CO., LTD.

RISK OF ELECTRIC SHOCK CAUTION

DO NOT OPEN

SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVIC-ELECTRIC 9 REDUCE THE RISK 2 CAUTION:



The lightning flash with arrowhead symbol, within an equilateral triangle, is inwithin the product's enclosure that may be of sufficient magnitude to constitute tended to alert the user to the presence of uninsulated "dangerous voltage" ING TO QUALIFIED SERVICE PERSONNEL. a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions

WARNING:

in the literature accompanying the appliance.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

● FOR U.S.A. & CANADA MODEL ONLY

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (PO-LARIZED) PLUS WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY IM-SERTED TO PREVENT BLADE EXPOSURE.

POUR LE MODELE CANADIEN UNIQUEMENT

POUN PREVIEWER ES CHOCK ELECTROLLES NE PAS UTILS; ER CETTE FICHE FOLARISEE ANCE UN PROJONGAZEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COU-RANT, SAUS EL LEE LAMBS PRUVART ETRE INSEREES A FOND SANS EN LASSER AUCUME PARTIE A DECOUVERT

œ

ATTENTION

DECLARATION OF CONFORMITY We declare under our sole responsibility that the product pramain Ampulier PMA-925R/725R to which this declaration relates is in conformity with the follow

- istart er PMA-925R/725R, auf das sich diese Erklärung bezueht, Wir erklären unter unserer Verantwortung, daß das Produkt Vor-EN55013, EN55020. EN60555-2 and EN60555-3 ÜBEREINSTIMMUNGSERKLÄRUNG
- EN55013, EN55020, EN60555-2 und EN60555-3.
- Nous declarons sur notre seule responsabilite que l'appareil Amplificateur PMA-925R/725R auquel se réfère cette déclaration i DECLARATION DE CONFORMITE

 - EN55013, EN55020, EN60555--2 et EN60555-3.
 - DICHIARAZIONE DI CONFORMITÀ
 Dichiariamo con piena responsabilità che il prodott
- olificatore di precedenza PMA-925R/725R, al quale questa dichiarazione si rifensce, è conforr EN55013, EN55020, EN60555-2 e EN60555-3.
 - **DECLARACIÓN DE CONFORMIDAD**

EN55013, EN55020, EN60555-2 y EN60555-3

precedente, el Ampiricador PMA-925R/725R, al que esta declaración haca referencia

- urker PMA-925R / 725R. eensternming is met de volgende normen EN55013, EN55020, EN60555-2 en EN60555-3. **EENVORMIGHEIDSVERKLARING**
 - ÖVERENSSTÄMMELSESINTYG Härmed intygas hell på eget ansvar att p
- Deceramos sob nossa exclusiva responsabilidade que o produto pre Amplificador Principal PMA-925B/725B so qual esta declaração corresponde, esta em EN55013, EN55020, EN60555-2 e EN60555-3 DECLARAÇÃO DE CONFORMIDADE

EN55013, FN55020, EN60555-2 och EN60555-3

FOR U.S.A. MODEL ONLY

SAFETY INSTRUCTIONS

12.

Read Instructions – All the safety and operating instruc-tions should be read before the appliance is operated.

Power-Cord Protection - Power-supply cords should be fourted so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Cleaning - The appliance should be cleaned only as recommended by the manufacturer. Power Lines - An outdoor antenna should be located Outdoor Antenna Grounding - If an outside antenna is is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire

4. 15 16 connected to the receiver, be sure the antenna system

away from power lines.

- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
 - Follow Instructions All operating and use instructions should be followed.

4 ıci

- Water and Moisture The appliance should not be used near water for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- combination to overturn. sive force, and uneven combination should be An appliance and cart the appliance and cart Quick stops, excessurfaces may cause moved with care. 6A.



to an antenna-discharge unit, size of grounding conduc-size, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the ground-ing electrode. See Figure A.

be unplugged from the outlet when left unused for a long period of time. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Damage Requiring Service - The appliance should be A. The power-supply cord or the plug has been dam-B., Objects have fallen, or liquid has been spilled into the

19

serviced by qualified service personnel when

Nonuse Periods - The power cord of the appliance should

17.

<u>6</u>

- Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer
- location of position does not interfere with its proper ven-tillation. For example, the appliance should not be si-tuated on a bed, sofa, rug, of similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may im-pede the flow of air through the ventilation openings. Ventilation - The appliance should be situated so that its
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

6

Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

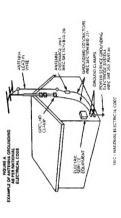
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- Grounding or Potarization Precautions should be taken so that the grounding or polarization means of an appliance is not defeated. Ξ
- Servicing The user should not attempt to service the ap-pliance beyond that described in the operating instruc-tions. All other servicing should be referred to qualified service personnel. 20.

The appliance does not appear to operate normally or The appliance has been dropped, or the enclosure

appliance; or aged; or

exhibits a marked change in performance; or The appliance has been exposed to rain; or



m

- Alvays keep the POWER switch on the main untituned on Turn the power on and off from the termine control unit. Unduing the power cord when you do not plan to use the unit for a long period oil time.

If our, the MUTE/STANDBY LED is lit, this means that the power is turned oil from the remote control unit. Tun the power on from the remote control unit.

Lassen Se dan Nettzchalter (POWER) am Häuptgerät steis angeschaltet. Schätter Se den Strom nir dem Fernhadenungsgalett an-und aus. Tranens Sie das kretakabel vom Netz ab, wenn Sie beädschrügen, das Gerat über einen längeren Zaitaum hinweig nicht zu benutzen.

VORSICHT:
VORSICHT:
Intern nur das Summschalt-/Bereitschalte_LED IANUTE/STANDBY)
Voren nur das Summschalt-/Bereitschalte_LED IANUTE/STANDBY)
Voren nur das Summschalte internurgenistens
Vorentett, obedeutet des, tals der Stommvorm Fernbedemungspetist aus eine gehalte voran Fernbedemungsgehalt aus ein.

- S'assure que le commutateur d'almentation (POWER) sur l'unité principale Sulci roujours dans position articles avective le Autri roujours de la paraire le position article à rédicommande. Autri programme le donné d'almentation lus sque l'appareir le seas pas utilisé pen-dant une projute génode.

Si seu la temoin (LED) de sourdine/veille (MUTÉ/STANDBY) est altumê, cela signif e que l'appareil est mis hors circuit par la télécommande. Altume l'appareil avec la télécommande.

- Tenere sempre i meruntoxe della corrente POWERI dell'unità principale mella bossocio di dilettatorio. Accordente i sando il trelecomendo Accordere e segoriere il corrente sando il trelecomendo consegnate in for dismentazione quindo averte mencione di non usare l'appar-reccino per un'ungo periodo.

AVVERTENZE:

Se sono illuminati solo i LED di attenuazione/attesa (MUTE/STANDBY), questo significa che la corrente e' stata spenta con il telecomendo. Riaccendes la corrente usando il telecomendo.

PRECAUTIONS FOR INSTALLATION Leave at least 19cm of space between this unit and any other component placed above.

Lasciate uno spazio libero di almeno 10 cm fra questi unità e qualsiasi altro nenie che è collocato sopra la stessa

SICHERHEITSMASSNAHMEN BEIM EINBAU Lassen einen Mindestabsland von 10 cm zwischen diesem Geiät und der ande-ran Komponente, die daraufgestelt: wird.

PRECAUTIONS D'INSTALLATION Prévoir un espace d'au moins 10cm entre l'unité et tout autre appareil se trouvant au-dessus.

PRECAUZIONI PER L'INSTALLAZIONE

ntenga siampre activado el interruptor de alimentación (POWER) en la uni-

Encienda y apague el equipo desde la unidad de control remoto. Cuando la unidad vaya a estar tuera de uso por un período prolongar po, desconecte el cable de alimentación.

PRECAUCION de l'indicador LED de salenciamiente/modo de espeta (MATELE SURVIVI este execution syndricate, que le almettración a la unidad la sucio describenda osade unidad de control remoto. Concre la almentación desde la unidad de control remoto.

Zorg er aliid voor dat de stroomschakelbar iPOWER van het hoofdroestel in de ingeschakelde stella 38.84. "Schale die stroom in den uit m.b. v. de sfrandbedigering. Schale die stroom in den uit m.b. v. de sfrandbedigering. "The ken testroser uit m.b. v. v. de sfrandbedigering." The ken testroser uit wennear u denkt het toestel gedurende een lange perico-de de niet te gebruiken.

WAARSCHUWING: Indiae nated de dempings—MUTEI/STANDBY LED brandt, betekent dit dat de spanning mat de afstandsbediebnig, is uitgeschakeid. Schakel de spanning in met de alstandsbediebnig.

Lêt alitid strömbytaten (POWER) på huvudenheten vara påslagen. Sig till från strömmen med hjälp av fjärrkontrollen. Koppla foss nätkabein om apparaten ritte skalt användas under lång tid.

VARNING:
Om endasi MUTE/STANDBY-langan iyser beiyder dei ait strömmen har stängis av va fjärrkontrollen. Strömmen måste då slås på va fjärr-skontrollen gen.

ligado. Ligue e desligue a corrente a partir da unidade de controlo remoto. Desconecte o fio de força quando intentar não utilizar a unidade por forgo Mantenha o interruptor da Corrente (POWER) na unidade principal sempre

CAUTELA:
Sa apanas se luminar o LED de surdina / aspera IMUTE/STANDBY), sin
sginire quae a força se desligou a partir do controle remoto. Ligue a força
a patrir do controle remoto.

1. 主機上的POWER(電源)製須一直保持接通。

出塩控器操鐵電源之開和關。
 本機打算長時間不用時應將電源接線拔下。

若只有MULE/STANDBY LED指示燈亮、就表示電源已由遙控器關閉。應從遙控器開啟低源。

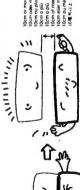
Bij plaatsing dient u een ruimte van minstens 10 cm open te latan tussen dit toe-stel en een ander erop geplaatst komponent. PRECAUCIONES PARA LA INSTALACION
Deje por lo menos 10 cm, de espacio entre este unidad y cualquier otro compo-nente situado sobre ella. VOORZORGSMAATREGELEN

FÓRSIKTIGHETSÅTGÄRDER VID INSTALLATIONEN

Se til sit det fans minst 10 cm mellanrum mellan apparaten och en ev, annan apparat som ställs ovange. Deixe um espaço de pelo menos 10 cm entre esta unidade e qualquer outro com-ponente colocado acima. CUIDADOS NA INSTALAÇÃO

安裝注意

本機須與其上方權置的其它音響設備相隔至少10厘米。



Handle the power cord carefully. Handle the power cord carefully. Hed the fully when unbludging the cord. Gehen Se votsching mit dem heitsbelle imm. Beland se des Abbeilen Stecke venn Seiden Stecke henzus einen. Mannpuler is cordon d'alimentation avec pre-Mannpuler is cordon d'alimentation avec pre-

- la prise lors du débranchement du cor-
- don. Manneggiate il filo di ammentaziona con cura. Agite perta spina quando scollegate il cavo dal-
- Priesa de l'unica de l'unica de l'unica de l'unica de l'accidente le condont de l'accidente de l
- ze moet worden aan- ur wagen. Hantera nakaban watsami. Hali i xapeln när den kopplas från ei-uttaget. Marusene com curktado a lic condutor de ener gia. Segure a toniado ao desconectar o fio.



NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA OBSERVAÇÕES QUANTO AO USO

- Do not let foreign objects in the set. Keine fremden Gegenstände in des Gerät

Foreign of the contract of the

vallen.

Se till att främmande föremål inte tränger in i

apparaten.

Não daixe objetos estranhos no aparelho.

amen lassen. pas laisser des objets étrangers dans l'ap

N O O

Ander of the three peaces on when retained to a self-or for a self-cent has a dispersion when retained on a self-.

Womedon Se and the three self-or three s



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a insaktsmedel på spraybruk, ben-ner kommer i kontakt med appare-

Do not let insecticides, benzene, and thinner come in contect with the set. Lessen. Sie das Geelf incht mit Insektiziden. Benzin oder Verdünnungsmittein in Berührung





(For sets with ventiation holes)

- Do not opstruct the evertation holes
 De Bellungsgorft-ninger durfer micht wir deckt werdem recht eine so deskreiten deckt werdem in eine ach dekealtion.
 Non copite i (ni of vertiliazone) with oppite i (ni of vertiliazone) with oppite i (ni of vertiliazone).
 De vertiliazing alto gold nice ach evertiliazone).
 - pebokkeerd. Täpp inte till vent atonsoppningama. Näo obsirua os orfices de ventilação.



- way.

 Wasuchan Sie niemale das Geets ausenander

 Lumennen volere uit geliche Artz unstransen

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 New jamas demonter our modifier liegpeier.

 New namenter our modifier liegpeier in en en modifier liegpeier.

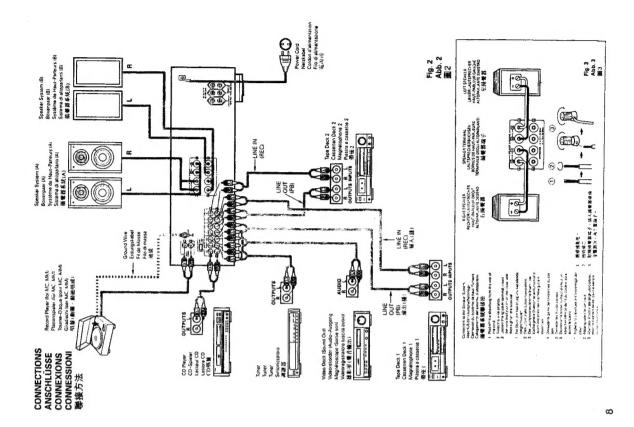
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 en was jamas and enmonteren of op andere

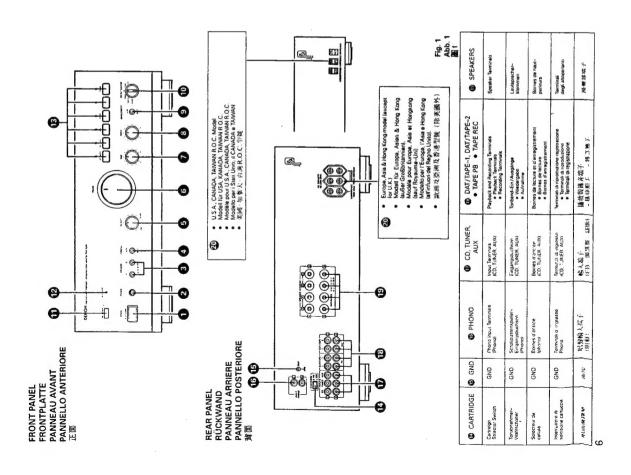
 "Techno and geomet demonteren of op andere

 "Techno and geometries". Never disassemble or modify the set in any
- Nunca desmonte ou moditique o aparelho de aguma forma. wijze modifieren.

 • Teinte isër apparaten och försök inte bygga om

.





-

DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS

When the power switch is turned ON (_), the MUTE/STAND-POWER (Power Switch) 0

When the power switch is turned ON, power is supplied to the unit. It takes a few seconds after the power is turned on for the unit to warm up. This is due to the built-in muting circuit that eliminates noise during the on/off operation.

This jack is used to plug in the headphones. PHONES (Headphone Jack)

0 0

SPEAKERS (Speaker Selection Switch)

The PMA-925R/725R can be connected to two speaker systems: speaker system A and speaker system B. When A is pressed, the spoaker system connected to speaker

output ferrimats B operates a control passiver systems operate simultaneously, When the A and B switches are both off operate simultaneously, When the A and B switches are both off in the out positioni. If these is no output from the speaker terminals, The sptring is used to listen to playback through the head. output terminals A operates. When B is pressed, the speaker system connected to speaker

0

LOUDNESS (Loudness Switch)
When the volume is Gw. if a fill fould from the threat and determine is Gw. if a fill fould from the threat and the fill found the threat and the fill found the threat and the fill found the threat switch allows a simple "one-thoust" conception for this difficult threat the loundness switch ON (— a) when lettering to mutury. Press the loundness switch ON (— a) when lettering to muture at low working and high notes will be sit at a low volume. The low notes and high notes will be corrected to produce a natural sound.

BALANCE (Balance Control)

0

This knob is used to adjust the balance between the left and right channels. When it is set to the center position, the amplitude of the amplifier is equal on both sides. It there is a difference in the left and right channel output voltages for a cartridge, move the knob to the left and the right to adjust it. If the volume on the right side is too low, turn the knob to the right (🍑). If the volume on the left side is too low, turn the knob to the left (lacktriangle). This will achieve an even balance on the left and right sides.

VOLUME (Volume Control)

0

Turn the knob to the right (→) to raise the volume and to the left (→) to lower it. This knob controls the overall volume level.

BASS (Bass Control) 0

This knob is used to control the bass quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range below 1000 Hz. The bass

is emphasized as the knob is moved off center to the right (🍑), When volume control 🗗 is set to the right of the center position,

and reduced as it is moved to the left (•).

the effect of the other controls is reduced. 0

This knob is used to control the treble quality of the sound. When the knob is set at the center position, the frequency characteristics are flattened in the range above 1000 Hz. The treble is emphasized as the knob is moved off center to the right ($lacksymbol{ heta}$), and reduced as it is moved to the left (🕶). When volume control 🕲 is set to the right of the center position, the effect of the other controls is reduced. TREBLE (Treble Control)

The controls (BALANCE, LOUDNESS, and TONE) can be used SOURCE DIRECT (Source Direct Switch)

0

when this switch is in the OFF (I I position. When this switch is in the OFF (I I position. When set to the OM (I I I position, the above controls are bypassed and the signals are input directly to the volume control circuit, providing high quality sound.

REC OUT SELECTOR (Rec Out Select Switch)

8

Use this switch to select the recording domonent.

• PHONO: Used to recording from the turntable.
• CD: Used to recording from the CD player.
• TUNE: Used to recording from the CD player.
• AUX: Used to recording from the cure.
• AUX:

AUX: Need to recording component that connected to the AUX reminal.

DAT/TAPE-1 ▶ 2. Used to recording from the tape deck connected to the DAT/TAPE-1 jecks

DAT/TAPE-2 ▶ 1. Used to recording from the tape deck connected to the DAT/TAPE-2 jecks.

REMOTE SENSOR (Remote Control Sensor)

Θ

This sensor receives the infra-red light transmitted from the wireless remote control unit. For remote control, point the wireless remote control unit to-MUTE/STANDBY LED wards the sensor.

0

This LED liashes while the muting circuit is activated when the power is turned on and when muting is turned on from the remote control unit, and remains lit (without flashing) white the power is on.

0

INPUT SELECTOR (Input Salact Switch)
Use these to salect the program source
When the button for the desired program source is selected, its
LED lights. One program source only can be selected at a time,

that is connected to the PHONO terminal. Use the PHONO switch ((Rear Panel Side) Used to select the output from a turntable to switch the sensitivity to correspond to the cartridge type being used.

Used to listen a compact disc player or other component that is connected to the CD ter-

> TUNER: AUX:

ë

Used to play a component such as an FM/AM tuner or a TV tuner that is connected to the TUNER terminal. Used to play a component such as a Hi F: vid-eo player. TV tuner, 8-track tape player or tape deck that is connected to the AUX termi-

Use this Position when using the tape dack, etc., connected to the DAT/TAPE-1 jacks. DAT/TAPE-1:

Use this Position when using the tape deck, etc., connected to the DAT/TAPE-2 jacks. DAT/TAPE-2:

PLAYBACK OF CD PLAYER

PHONO (Cartridge Selection Switch): Rear Panel This switch is set according to the type of player cartridge to be

0

Set the INPUT SELECTOR switch to "CD".

Operate the CD player. Turn the volume and tone controls to yield an appropriate volume

and sound quality.

RECEPTION OF RADIO PROGRAMS

MC (.E. I: Used when an MC (moving-coil) cartridge with an output of less than 0.5 mV is used.

MM (.e.): Used when an MM (moving-magnet) cartridge with an output of 2 mV or more is used.

Set the JMPUT SELECTOR switch to "TUNER".

Operate the tuner to receive a radio program.

Turn the volume and tone controls to yield an appropriate volume.

CONNECTIONS OF AUDIO EQUIPMENT TO AUX TERMINALS and sound quality.

Set the INPUT SELECTOR switch to "AUX" Position. Operate the Audio equipment Systems. Turn the volume and tone controls to yield an appropriate volume and sound quality.

For U.S.A., Canada, and Talwan R.O.C. models.
AC outles are used for connecting anniellar component units, such as tunes, runtable, tage deck, etc.
 SVITCHER (Diotal capacity, 120 WI).
 These outlets are turned ON/OFF when main power winch and OV/OFF when main power winch and OV/OFF when main power control of the Control Unit conserved and COVER button on the Remote Control Unit

AC OUTLETS: Rear Panel Side

0

UNSWITCHED (Capacity: 240 W)
 This outlet is always ON whether power swrich is on or OFF

is turned on/off

 For Europe (except the U.K.), Asia and Hong Kong mod-AC outlets are used for connecting amplifier component

Set the INPUT SELECTOR switch to "DAT/TAPE-1" "DAT/TAPE-2". PLAYBACK WITH TAPE DECK

 Operate the Tape Deck.
 Turn the volume and tone controls to yield an appropriate volume and sound quality.

cord.

2. Start the playback of the program source.

3. Start recording with the component connected to "DAT/IAPE-I" or RECORDING WITH TAPE DECK

1. Set the RECOUT SELECTOR to the program source you wish to re-

UNSWITCHED (Capacity: 100 W)
 This outlet is always ON whether power switch is on or OFF.

These outlets are turned ON/OFF when main power switch and POWER button on the Remote Control Unit

units, such as tuner, turntable, tape deck, etc.

SWITCHED (Total capacity: 100 W):

the adoption is given an experience of the adoption and an experience of the adoption is spiral to the adoption in the adoption is given as the adoption as the adoption as which as related to the time and volume have no effect whistonever on the sound that is recorded. Also, since the recording function is selected by the REC QUT SELECTOR, the free program source can be played through the speakers (or headphones) even during re- In the PMA-925R/725R, the REC OUT signal and the speaker "DAT/TAPE-2"

MONITORING THE RECORDING

A recording in progress can be monitored if a lape deck with three mindulal heads for recording and playback is used. A lape of oeck in which a common head is used for both recording and playback can not be used to monitor recording. When a recording is being made using DAT/TAPE-1, selecting DAT/TAPE-1, with the INPLIT SELECTOR will engage the RECORDING MONITOR and penils a brock of the recording condition.

back panel (Fig. 2, 3)

• Check the polarity (positive and negative) of connections, and the directivity of stereo separation (right could to right channel terminal, and left could to left could be to condition the could be to condition the could be to conditionate the council.)

Make sure that all the connections are proper by referring to the

CHECKING CONNECTIONS

OPERATION

CAUTION

cuit protects the internal circuitry from damage due to large currents itsoming when the spakes it peics as an occompletely connected or when an output is generated by a short circuit. This protective circuit's operation cuts of it he output to the speak eris I is such a case, be sure to turn the power to the set off and check the connections to turn the spower on again. After muting for several seconds, the sat will operate normally. **Protective Circuit** This sat is equipped with a high speed protective circuit. This cir-

Set the INPUT SELECTOR switch to "PHOND".
Operate the turntable and play the record.
Turn the volume and tone controls to yield an appropriate volume.

After checking the above items, turn on the power, the amplifier is set

in the ready mode in a few seconds.

PLAYING A RECORD

 Set the rotary knob to "flat".
 Set SOURCE DIRECT and LOUDNESS to "OFF (#.)". Turn the volume control knob counterclockwise, to "0".

2. SETTING OF EACH KNOB

This amplifier has a full memory back-up system. When the power is turned on, INPUT SELECTOR **®** are set to the last mode set before the power was turned off.

REMOTE CONTROL OPERATION

The accessory Remota Control Unit is used to control the amplifier from a convenient distance.



Notes on Battery Usage

• Rc-17 loses the size RPP IAAI dry cell batteries.

• Rc-17 loses the size RPP IAAI dry cell batteries.

• The batteries will need to be replaced approximately once a year. This will depend upon how often the Remote Control Unit is used.

• It in less than a year from the time new batteries were inserted, the Remote Control Unit lais to operate the Amplifier from a near-by position, it is time to replace the batteries.

• Insert the batteries property, following the polarity degram misde

2. Insert two dry cell batteries as shown in the diagram on the bat-

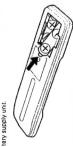
Do not mix new batteries with used ones.
Do not mix different types of batteries.
Do not jumper opposite poles of the batteries, expase them to

the battery compartment.

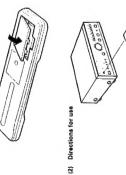
Batteries are prone to damage and leakage. Therefore:

heat, break them open, nor expose them to open fire.

If the batteries have leaked, remove any traces of battery fluid from the battery compartment wiping thoroughly with a dry cloth. Then insert new batteries.



Replace the battery cover



Operate the Remote Control Unit while pointing it towards the Remote Control Sensor on the Amplifier as shown in the diagram on

the left. The Remote Control Unit can be used at distances up to about 8 meters in a straight line from the amplifier. This distance will decrease tests in a straight line from the amplifier. This distance will decrease if there are obstructions bocking the infra-real fight transmission or if the Remote Control Unit is not directed straight at the amplifier.

- Do not press the operating buttons on the Amplifier and the Remote Control Unit at the same time. This will cause misoperation.
 Operation of the Remote Control Unit will become less effective or entance if the infrared Remote Control Unit will become less effective or entance if the infrared Remote Control Unit and the sensor.
 Incase you operation 8 CRT, IV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

Besides being able to operate the PMA-825R/725R amplifier with this Remote Control Unit, you can also operate a DENON cassette deck and CD player from this handy full-system Remote Control Unit.

Remote control section

List-system Remote Control Unit

The full-system Remote Control Unit

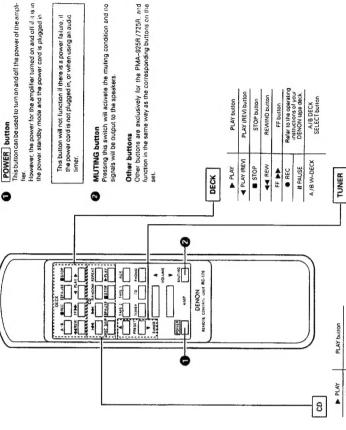
The full-system Remote Control Unit

The same control pad can also control the major functions of a DENON CD pleyer and cassette deck and tunar when combined with the

The same control pad can also control the major functions of a DENON CD pleyer and cassette deck and tunar when combined with the

PMA-925R 1728R to create a remarkably exponence and versatile DENON system with all the quality sound reproduction that the devoted audiophile

Remote Control Unit RC-176 supplied with the PMA-925R/725R



STOP button STOP

PRESET \$ buttons
Pless this button to move up or down among the preset station numbers.

 The RC-178 Remote Control Unit can control CD players and cassette decks manufactured by DENON
 Note that operation may not be possible for some models
 Buttons are conveniently separated into groups, each group controlling one specific component. The groups are AMP, FUNCTION, CD. DECK and TUNER etc.

For details on operating other components, refer to the operating instructions for the CD player and/or cassette deck

CAUTION:

- If the power is turned off with the Remote Control Unit, the set is switched to the power stand-by state. If you are absent for a long period

of time, unplug the gover cool

• Only the NUTE/STANDBY LED @ lights when in the power stand-by mode.

• Only the NUTE/STANDBY LED @ lights when in the power stand-by mode.

• You may experience extact operation of the Remote Control Unit if it is operated in Biodrescent light and direct sunlight, in particular if this fight strikes the Remote Control Sensor on the Amplifier. However, this is not a malfunction, and if this should happen, simply protect the sensor against such light. 5

Technical Data (typical value)	Technische Daten (typieche werte)	Caractéristiques techniques (valeur caractéristique)	PMA-8258/725R
POWER AMPLIFIER SECTION	• LEISTUNGSENDS VERSTÄRKER	PARTIE AMPLIFICATEUR DEBLUGGANCE	
Rated Output Power: 1 'Bon Carnesi divien 18 D/ chru Loadi 20 Hz to 20 Hz, T.H.D.002%.0.05", (412 form Load) DIN, 1 RHz, T.H.D.0.7%	Nann-Ausgangsleistung: **Beute Knotele betroeben** (an 8 Д/Орм) 20 H ba 20 kH; THD 0,02%,0,05% (an 4 Д/Орм) (bit, 1 kH; THD, 0,7%	DEFUSIONALE Pulstance roominale: 'Entratement deux canaux (charge 8 Dichmst 20 Hz & 20 Hz & 20 Hz Dichmst (charge 4 Dichmst Oliv 1 Hrz, DH.T. 0,02%,0,05%	W59 + W60/W651 + W061
² Continuous BOVVISSVV per channel min into 8 11/ohms (inon 20 H s 10 20 k.Hz with no more than 0 0.2%/0.05% total harmonic distortion	*2Fortlaufend 80W/85W Dro Kanal min zu 8 G/Ohm von 20 Hz baz 20 kHz min einem Gasamklinfaktor von nicht inehr als 0,02%/0,05%.	**BDV/J65IV an continu par canal sur min. B D. Yohms de 20 H s. 20 EH sewe une distorsion harmonique lotale de 0,02%,10,05%, ou moins.	BOWNESW
Tetal Harmonic Distortion: (-3 dB at rated output, 8 Q/ohms)	Gesemtkiirrfaktor: I-3 tiB bei Nennausgang. 8 G/Ohny	Distorsion harmonique totale: (-3 dB è le sortie nominale, 8 Ω (ohms)	0.007%
PRE AMPLIFIER SECTION Rared Output: (Recout ferminal) Input Sensitivity/ Input Input input and Publicity PHONO:	VORVERSTÄRKER Nenr-Augsgagelstung: Kaulnahme-Augsgasbuntes) Eingangsempfindlichkeit/ Eingangsempfindlichkeit/ PhONO:	PRE-AMPL Puissare nominale: (Borna de sorie d'enegistement) Sensibilité d'entrée/ impédiènes d'entrée: PHONO:	150 mV MM 2.5 mV47 kD.kohm
CD, TUNER AUX TAPE-1, TAPE-2:	CD, TUNER, AUX TAPE-1, TAPE-2.	CD, TUNER, AUX TAPE-1, TAPE-2:	MC 200 µV/100 t2/ohm 150 mV/47 kt2/kohm
RIAA Deviation: PHONO: Within ± 0.3 dB Maximum Input:	Abwaichung von der RIAA-Kennlinie: PHONO. Innerhab ±0,3 d8 Maximaler Eingang:	Variation RIAA: PHONO: inf & ± 0.3 dB Entrie max:	20 Hz ~ 20 kHz PHONO MM 160 mV/1 kHz
OVERALL CHARACTERISTICS SN Ratio (IHF A Network):	GESAMTEIGENSCHAFTEN Signal/Rauschabstand IIHF-A-Weichei:	• CARACTERISTIQUES GENERALES Rapport signal/bruit (résseu IHF A):	MC LENVI NAZ PHONO: MM: 94 d8
input terminals shortcircuited)	(Engange kurzgeschlossen)	(Bornes d'antrès court-circuitées)	MC: 76 dB
SOURCE-DIRECT ON	SOURCE DIRECT ON	SOURCE DIRECT: ON	CD, TUNER, AUX
Fone Control Adjustable	Klangragelbersich:	Gamme de réglage de tonalité:	di /or ==6, 10/ ub
BASS TREBLE Loudness:	TIEFEN (BASS) HÖHEN (TREBLE) Gehörrichtige Leutstärke:	GRAVES AIGUS Compensation physiologique:	100 M2 ± 8 dB 10 kHz ± 6 dB 100 M2 + 7 dB
OTHERS Power Supply	SONSTIGES Netzspannung und-frequenz	• AUTRES Alimentation	AC230V/60 Hz (For Europe, Asia and Hong Kong models) AC120V/60 Hz
AC Outlets Switched × 2.	Wechselstrom-Ausgange Geschallet x 2:	Prisas secteur (AG) Commutées x 2:	models: models: 100W (Yotel) (For Europe (except the U.K.), Asia and Hong for Europe (except the U.K.),
Unswitched x 1:	Ungeschaltet x 1:	Non commutées x F:	Tawan RO.C. models) Tawan RO.C. models) Tawan RO.C. models) and Hong Kong models) 240W For U.S.A. Canada, and Tawan
Power Consumption	Leistungsaufnahme	Consomnation	8.0.C. models) - 230W/210W (IEC)
Dimensions $\times \{W\} \times \{H\} \times \{D\}$	Abmessungen (B) < (H) × (f)	Dimenalons (L) × (H) × (D)	43-4(W) × 142(H) × 346(D)mm PMA-925R (17-3/32" × 6-3/8" × 13-5/8") 434(W) × 142(H) × 346(D)mm PMA-725R
Net Weight REMOTE CONTROL UNIT IRC-1781	Nettogewicht Fernbedienungsgerät IRC-1741	Poids UNITE DE TELECOMMANDE (BC.178)	11 kg (24 lbs 40z) / 9.6 kg (21 lbs 30z)
Remote control system: Infrared pulse system	Fernbedianungs-System: infrate-impulse	Système de télécommande: Système à impulsion infrarouge	
Saver supply: 3V DC, Two size R&P ("AA") Exercise distributions:	Stromwersorgung: 3V Gleichstrom, zwei Trockenzelle- Batteren vom lomat RGP (AA)	Authentation: 3V CC, deux piles sèches de format RGP ("Ad")	55(W) × 194(H) × 18(D)mm 2-11/64" × 7-41/64" × 45/64")
External dimensions:	Aulsere Abmessungeti: Gewicht:	Umensions exterieures: Poids:	100 g (about 3.5 oz) (including batteries)

Loudness:	Gahörrichtiga Lautstärke:	Compensation physiologique:	100 Hz +7 dB		
			10 kHz + 6 dB		
OTHERS	SONSTIGES	• AUTRES			
Power Supply	Netzspannung und- fraguenz	Alimentation	AC230V/60 Hz		
			(For Europa, Asia and Hono Konn modale)		
			AC120V/60 Nz		
			Could County and Talant B. C.		
			TOTO CO. C. CO. GALLE OF THE INVEST IN C. C.		
			(SIBCOLL)		
AC Outlets	Wechselstrom-Ausgange	Prisas sectour (AC)			
Switched × 2.	Geschalet x 2	Commutées x 2:	100W (Total) (For Europa (except the U.K.).		
			Asia and Hong Kong models)		
			120W (Total) (For U.S.A. Canada and		
			Paissan R O C modelet		
[Josephysed x]	lineschalter x 1:	Non rommittee x 1-	MONATES Europe (expense the 11 K.) Asia		
			and know Know models	MEMO:	
			24000 feet 1 S. A. Consider and Tourse		
			CHONG I OLO. C. CALIBOR, BILD LAIWAN		
			H.O.C. models)		
Power Consumption	Leistungsaufnehme	Consommetion	230W/210W IEC		
			4 2A/3.6A IU.S.A. and Canada models)		
Dimensions × (W) × (H) × (D)	Abmessurgen (B) x (H) x (T)	Dimensions (L) × (H) × (D)	4340M) x 1621H1 x 3461D1mm PMA-925R		
			(17-3/37" x 6-3/4" x 13-5/8")		
			COURT TO STATE OF THE PARTY OF		
			434(VV) X 142(H) X 340(D)mm FMA-725K		
			[17-3/32" x 5-19/32" x 13-5/8")		
Net Weight	Nettogewicht	Poids	11 kg (24 lbs 40z) / 9.6 kg (21 lbs 30z)		
TIME TOUTHOUTHOUSE	FEDRIESMINISCOEDAT	TAILTE DE TELECORAGAMOS	Carried to the County of the C		
1361	1361	200			
Democratical assessment	The state of the s	S. C.			
namora control system	retubedienungs-okstem:	systems of telecommands:			
Intrained pulse system	intrarot-impuse	Systems a impulsion intracouge			
Adding John	Stromersorgung	Almentation:			
3V DC, Two size RBP I"AA"!	3V Gleichstrom, zwei Trockenzelle-	3V CC, deux piles séches	55(W) × 194(H) × 18(D)mm		
dry cell batteries	Batterien vom format R6P (AA)	de format RGP ("AA")	2-11/64"×7-41/64"×45/64")		
External dimensions:	Außere Abmessungen:	Dimensions extérieuras:	100 o Jabout 3 5 ozt		
Weight	Gewicht.	Poiofe:	in the second section of the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a section in the second section in the second section is a section in the second section in the section is a section in the section in the section in the section in the section is a section in the s		
		· oues	Company Company		
Note: 1 For Europe, Asia and Hong Kong	Hinwels:	Note:	Note: *1 Pour Europe, Asie et Hongkong		
*2 For U.S.A., Canada, and Tawan R.O.C.	r R.O.C. 72 Fur USA, Kanada, und Tawran R.O.C.		-2 Pour U S.A., Canada, et Taiwan R.O.C.		

Certifique-se de que as seguintes peças estão incluidas na emba-lagem fore da unidade principal:
(1) Instruções de operação
(2) Unidade de controle remoto (RC-178)
(3) Baterias R6P (AA) 下列格品图主集一起包裹珍维谱内:整套臂: (1) 性/形成明片 (2) 植挖器(RC-176) (3) 植形形的/AA) PORTUGUÊS Controllare che le parti seguenti si trovino imballate con l'apparec-chio nelle scatola di spedizione. (1) Libratto delle istruzioni (2) Telecomando (RC-176) (3) Batteria R6P (AA)

Por favor verifique seagurandose de que los siguientes artículos son empesados en la raja pero separados de la unidad principal.

(1) Mahaud de instrucciones.

(2) Unidad de control remoto (RC-176)

(3) Pilas R6P (AA)

ESPAÑOL

Please check to make sure the following items are included with the main unit in the carton:

(1) Operating Instructions
(2) Remote Control Unit (RC-176)
(3) Batteries R6P (AA)

Kontroleer of de volgende accessoires bij het hoofdtaestel in de doos zijn verpekt:

Bitte überprülen Sie, ob die folgenden Teile vollständig in der Verpeckung enthalten sind:

DEUTSCH

(1) Bedienungsanleitung
(2) Feinbedienung (RC–176)
(3) Batterien vom Typ R6P (AA)

NEDERLANDS

(1) Gebruikseanwijzing (2) Afstandsbediening (RC-176) (3) Batterijen R6F (AA)

Kontrollera att följande, förutom huvudapperaten, finns med i kar-(1) Bruksanvisning (2) Fjärrkontroll (RC–176) (3) Batterier R6P (AA)

SVENSKA

Veuillez contròler que les articles suivants sont bien joints à l'ap-pareil principal dans le carton:

(1) Mode d'emploi (2) Unite de télécommande (RC-176) (3) Piles R6P (AA)

ITALIANO

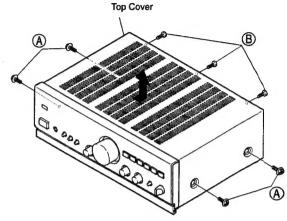
47

Specifications and contents are subject to change without notice for purposes of introovement.
 Andersogen or hinsts under exchractions loans runt fixes diet Nebresseuring vorschallen.
 Stellichations et content sont suits a modification starts présive.

REMOVAL OF EACH SECTION

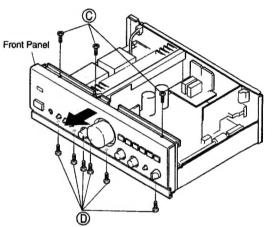
• Top Cover

- 1) Remove 4 screws (A) and 3 screws (B).
- 2) Pull up Top Cover in arrow direction.



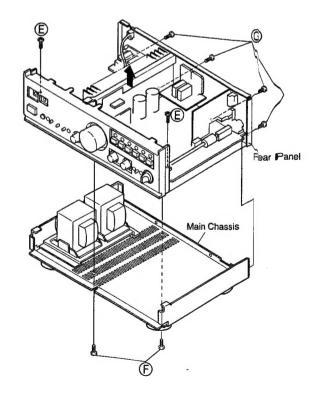
Front Panel

- 1) Remove 3 screws (C).
- 2) Remove 6 screws (D) .
- 3) Detach Front Panel in arrow direction.



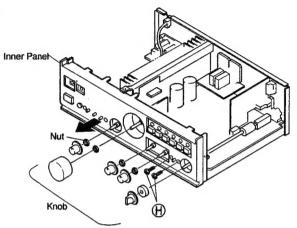
• Main Chassis

- 1) Remove 2 screws (E) .
- 2) Remove 2 screws F securing Power Radiator with Main Chassis.
- 3) Remove 4 screws (G) securing Rear Panel with Main Chassis.



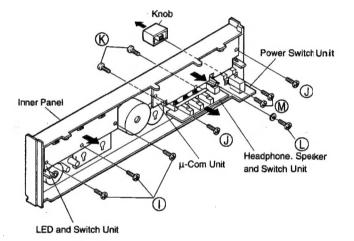
Inner Panel

- 1) Remove 5 Knobs and 4 nuts.
- 2) Remove 2 screws (H) and detach Inner Panel in arrow direction.



• Each Unit of Inner Panel

- 1) Remove 3 screws (I), and detach LED and Switch Unit.
- 2) Remove 2 screws \bigcirc , and detach μ -Com Unit.
- 3) Remove 2 screws (K) securing Headphone, SP Switch Unit with Inner Panel.
- 4) Remove 1 screw (L) and 1 washer, and detach Headphone, SP. switch Unit.
- 5) Remove 2 screws (M) and a Knob, then detach Power Switch Unit.



FUNCTION OF NEW CIRCUIT

1. CHARACTERISTIC OF THIS CIRCUIT

The junction temperature of power amplifier output transistor always varies by an ambient temperature and music signal. Occurrence of junction temperature varying causes in change of bias current, unstable function, thus pure music signal playback is unable to do.

To maintain fixed bias current and to make pure music signal playback possible is the purpose of this circuit. This circuit holds stable bias current condition within a few seconds after turning on the power.

2. BLOCK DIAGRAM OF BIAS CONTROL CIRCUIT FUNCTION

As explained in Fig. 1, detects a voltage across the emitter resistors (RE) of TR1, TR2. Converts the detected voltage and comparing with the reference voltage to make the bias current value in stable state. Actually, these functions are performed by 1 chip IC.

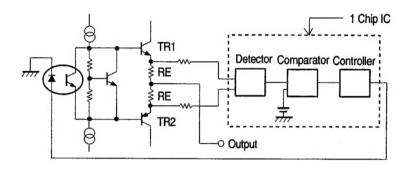


Fig. 1

TR1, TR2: Output transistor RE

: Emitter resistor

3. POWER SUPPLY FOR ACTUATING CONTROL CIRCUIT

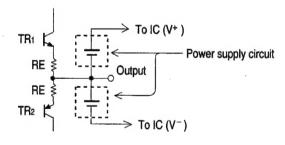


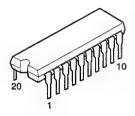
Fig. 2

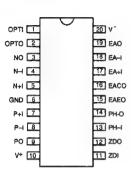
The circuit (IC) controlling bias current actuates by floating.

Accordingly, the power supply is also needed to be floated.

In this circuit, as indicated in Fig. 2, output is common to provide +, - power system and supplies to IC.

4. IC DESCRIPTION (μPC5023CS-064)

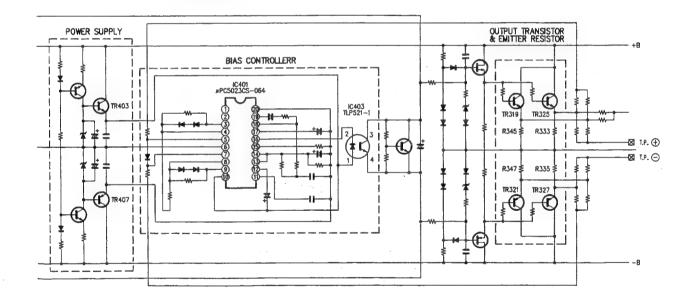




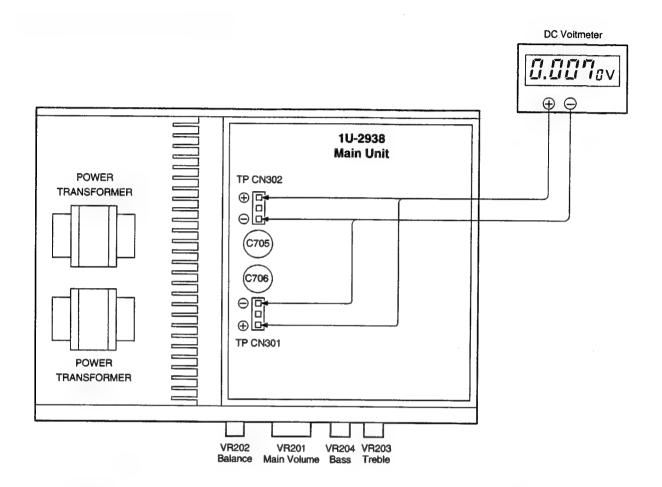
Pin. No.	Name	Contents
1	OPTI	NCP
2	ОРТО	INOF
3	NO	Comparator output
4	N-I	Comparator input ()
5	N+I	Comparator input (+)
6	GND	Floating common
7	1+P	Comparator input (+)
8	P-I	Comparator input (-)
9	PO	Comparator output
10	V+	+ Power supply

Pin. No.	Name	Contents
11	ZDI	Control signal stabilizer input
12	ZDO	Control signal stabilizer output
13	PH-I	Peak hold input
14	PHO	Peak hold output
15	EAEO	Controller gain setting
16	EACO	Control signal output
17	EA+I	Reference voltage
18	EA-1	Comparator gain setting
19	EAO	Comparator output
20	V-	- Power supply

5. CIRCUIT IN THE CONCRETE



METHOD OF ADJUSTMENTS



IDLING CURRENT

Setup

- 1. Lay the unit at an ordinary position away from a direct current from a cooler or fan. Do the adjustment at a temperature between 15°C (59°F) and 30°C (86°F).
- 2. Set controls as follows.

POWER SWITCH→ OFF (■)

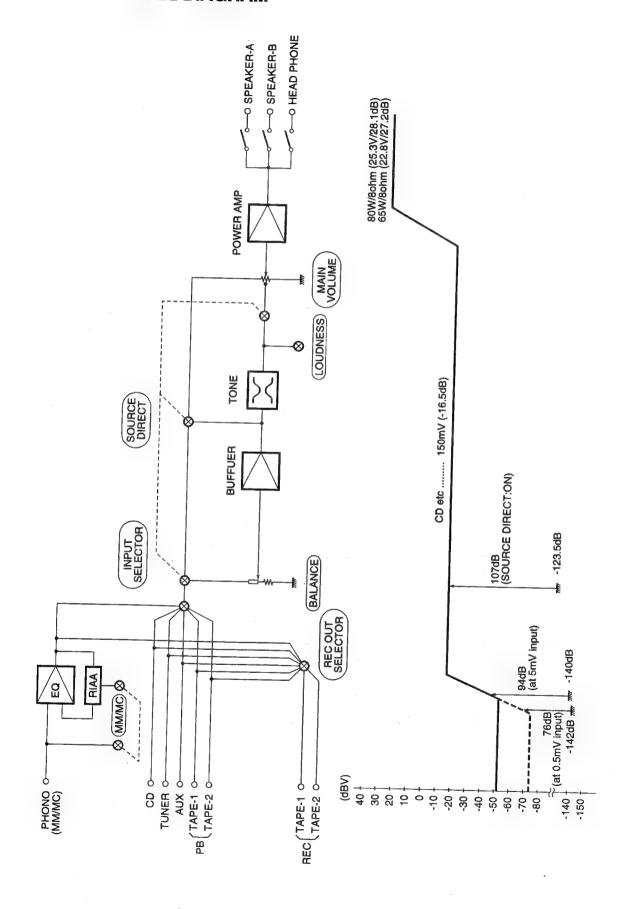
VOLUME CONTROL→ fully counterclockwise. (♠) min. (Main Volume VR201) (VR202, 203 and 204 are center position.)

SPEAKER Terminals -> open: do not connect the speakers, dummy load etc.

Confim

- 1. Remove Top cover. And then connect DC Voltmeter to Test points of Main Unit.
- 2. Connect Power cord to AC Outlet, and turn POWER Switch "on" (-).
- 3. 10 seconds after check to see DC Voltmeter reading is 7 ± 2 mV.
- 4. 2 minutes after re-check DC Voltmeter for 7 ± 2mV reading.

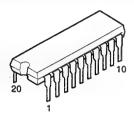
BLOCK AND LEVEL DIAGRAM

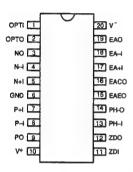


SEMICONDUCTORS

• IC's

μPC5023CS-064 (IC401,402)

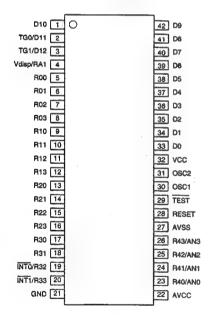




Pin. No.	Name	Contents		
1	OPTI	NCP		
2	ОРТО	INOP		
3	NO	Comparator output		
4	N-I	Comparator input (-)		
5	5 N+I Comparator input (+			
6	GND	Floating common		
7	P+I	Comparator input (+)		
8	P-I	Comparator input (-)		
9	PO	Comparator output		
10	V+	+ Power supply		

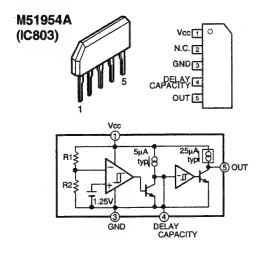
Pin. No.	Name	Contents
11	ZDI	Control signal stabiliser input
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14	PHO	Peak hold output
15	EAEO	Controller gain setting
16	EACO	Control signal output
17	EA+I	Reference voltage
18	EA-1	Comparator gain setting
19	EAO	Comparator output
20	V-	- Power supply

HD404304A13P (IC801)

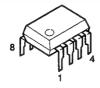


HD404304A13P Terminal Function

Pin No.	Name	NO		Contents	Active		
1	D10	0	MUTE/STANDBY LED Indication		н		
2	TG0/D11	0	NOP				
3	TG1/D12	0	Power Control (REMOTE Power-ON	(OFF)	L		
4	Vdisp/RA1	- 1	NOP				
5	R00	0	NOP				
6	A01	0	Muting Control (Power ON-OFF, Fun	ction Shifting, MUTING)	L		
7	R02	0	SP-A Control		Н		
8	R03	0	SP-8 Control		н		
9	R10	0			н		
10	R11	0	Key scan strobe		Н		
11	R12	0			Н		
12	R13	0	NOP				
13	FI20	- 1					
114	R21	1	Key soan receive				
15	R22	1	Ney scan receive				
16	R23	- 1					
17	R30	0	Volume Control "UP" → "H"		Н		
18	Fl31	0	Volume Control *DOWN* → "H*	Volume Control *DOWN* → *H*			
19	INTO/R32	1	Power Breakdown detect input				
20	INT1/R33	1	Remote control signal decoding input	1			
21	GND		GND				
22	AVcc		Avoc (Voc)				
23	R40/AN0		NOP				
24	R41/AN1	1	NOP				
25	R42/AN2	. 1	NOP				
26	R43/AN3	- 1	Discrimination port by user's genre				
27	AVas		AVss (GND)				
28	RESET		M51954A; External				
29	TEST		Vec				
30	OSC1		Celler Fill Oscillator 4MHz; External				
31	OSC2		Celler Fill Oscillator 4MHz; External				
32	Voc		Voc				
33	D0	0	NOP				
34	D1	0	NOP				
35	D2	0	TAPE-2 Control		н		
36	D3	0	TAPE-1 Control		н		
37	D4	0	NOP				
38	D5	0	AUX Control	Mutually reset:	Н		
39	D6	0	TUNER Control		Н.		
40	D7	0	NOP				
41	D8	0	CD Control	_	Н		
42	D9	0	PHONO Control				

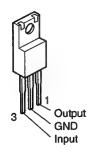


BA4558 (IC201, 901) NJM2068DDC (IC202)



- 1. A OUTPUT 2. A-INPUT 3. A+INPUT
- (TOP VIEW)
- 4. V-5. B+INPUT
- 6. B-INPUT 7. B OUTPUT 8. V+

NJM7806FA(S) (IC702)



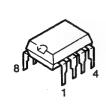
TLP521-1(BL) **INFRARED LED + PHOTO TRANSISTOR** (IC403, 404)

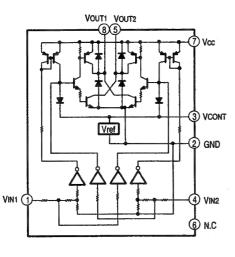




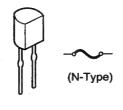
- 1: Anode 2: Cathode
- 3: Emitter 4: Collector

LB1639 (IC802)

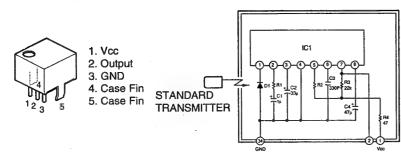




• IC PROTECTOR ICP-15 (IC701)



SBX1610-52 (Remote Control Receiver) (IC105)



: CX20106A Chip D1

: PIN Photo Diode Chip

C1,C2,C4: Aluminum Electrolytic Capacitor C3

: SL Characteristic ±5% : Gain Adjuster

: fo Adjuster ±1% USE R2

R3,4 : ±5%

R1

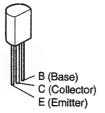
TRANSISTORS

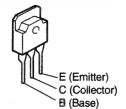
2SA970 (BL), (BL/GR) 2SA988 (E/F) 2SC1841 (E/F) 2SC1815 (BL) 2SC2240 (BL/GR)



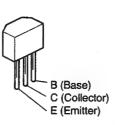
2SA1145 (O)/(Y) 2SC2705 (O)/(Y)

2SA1491 (O/P/Y)/(Z) PMA-925R 2SC3855 (O/P/Y)/(Z) PMA-925R 2SB1560 (O/P/Y) PMA-725R 2SD2390 (O/P/Y) PMA-725R





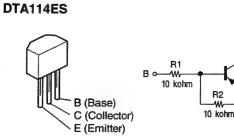




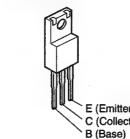
B (Base)

C (Collector)

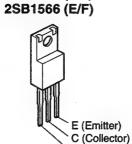
E (Emitter)

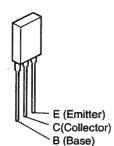


2SJ78 2SK215

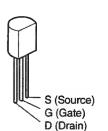


2SD2395 (E/F)





2SB1328 (P)



2SK369 (BL)/(GR)-C

DIODES (including LED)

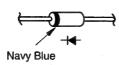
D (Drain)

S (Source)

G (Gate)

1SS252





SLR56-VR (Red)

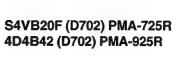
Cathode

SLR56-DU (Orange)

` Anode



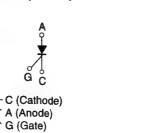
Thyristor





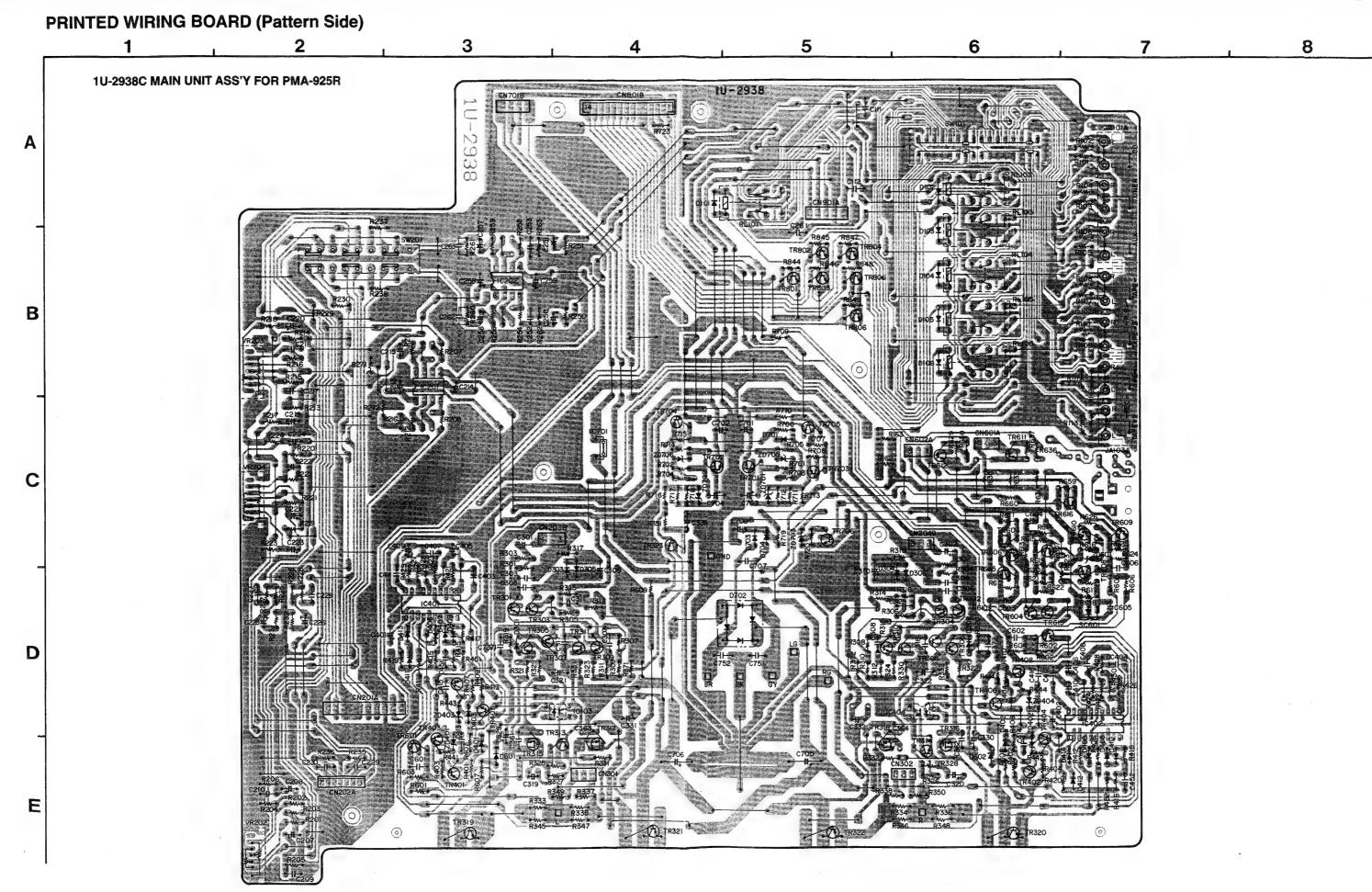


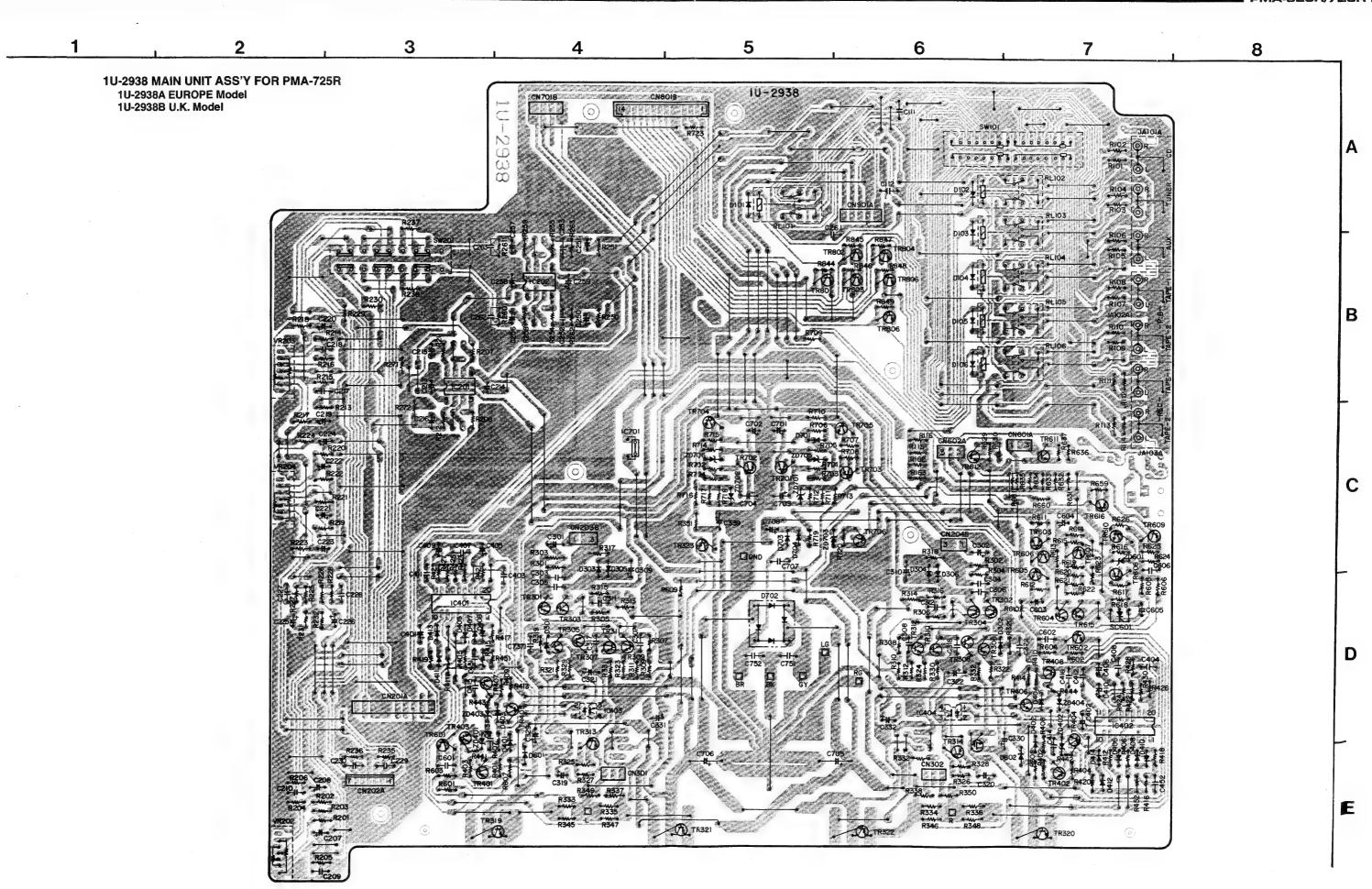
1SR35-200A SF0R1A42 (SC601)

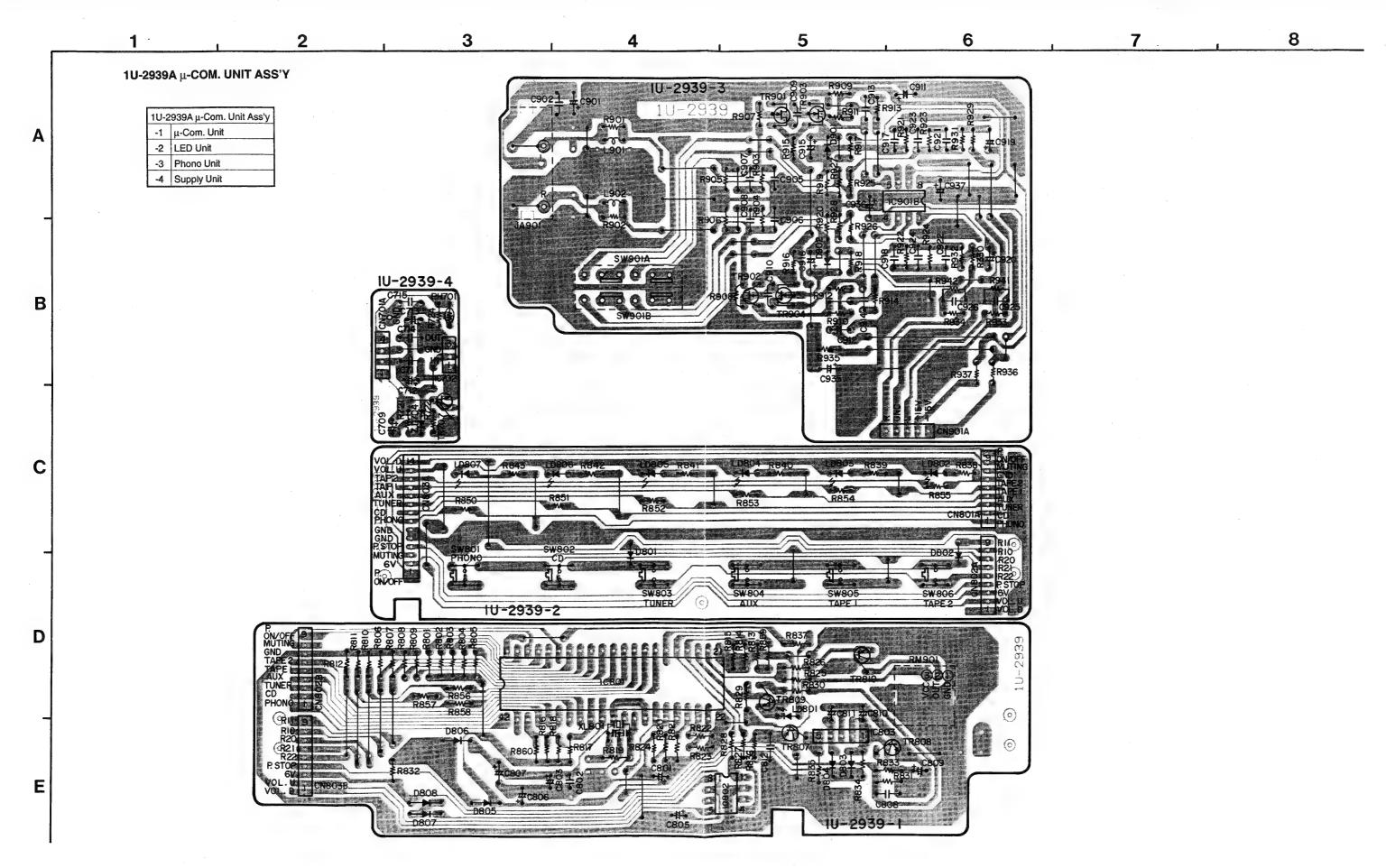




15

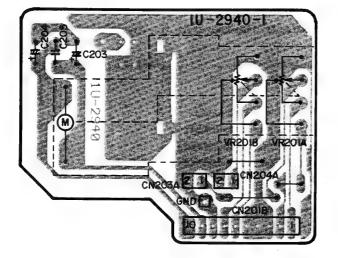


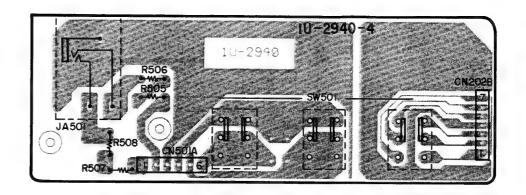


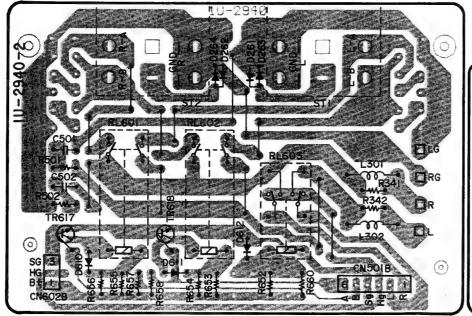


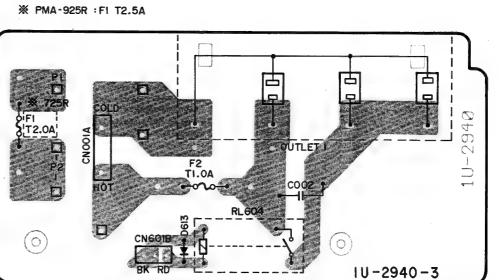
1U-2940 VOLUME UNIT ASS'Y 1U-2940A: PMA-725R EUROPE Model 1U-2940B: PMA-725R U.K. Model 1U-2940C: PMA-925R

	1U-2	2940 Volume Unit Ass'y
	-1	Volume Unit
	-2	Speaker Unit
ı	-3	AC Outlet Unit
ı	-4	Speaker Sel. Unit









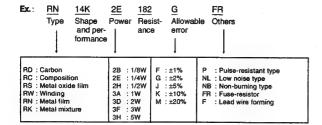
NOTE FOR PARTS LIST

- Part indicated with the mark " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) **WARNING:**

Parts marked with this symbol riangle have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

Resistors



* Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm

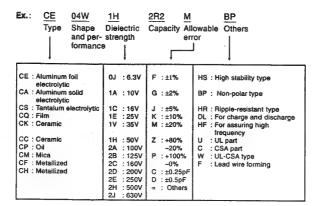
Ludicates number of zeros after effective number.
2-digit effective number.

Units: ohm

1 R 2 ⇒ 1.2 ohm
1-digit effective number.
2-digit effective number, decimal point indicated by R.

• Units: ohm

Capacitors



* Capacity (electrolyte only)

2 2 2 ⇒ 2200µF
Indicates number of zeros after effective number.
2-digit effective number.

Capacity (except electrolyte)

2 2 ⇒ 2200pF = 0.0022µF

(More than 2)— Indicates number of zeros after effective number.

• Units: µF.

 When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

PARTS LIST OF P.W.B. UNIT ASS'Y

1U-2938C MAIN UNIT ASS'Y (PMA-925R)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	NDUCTORS (ROUP		△D702	276 0424 005	Diode 4D4642(LC1)	
IC201	263 0322 004		Linear one own	D703,704	276 0553 905		Bridge
IC202	263 0609 002		Linear ope. amp	D700,704	270 0555 905	Diode 1SR35-200A	
10202	200 0000 002	10 14014120000000		ZD401~404	276 0643 954	Zonor diodo MTZ 12 04	2014
IC401,402	263 0930 001	IC μPC5023CS-064	Bias IC	20401-404	270 0043 534	Zener diode MTZJ3.9A	3.9 V
IC403,404	262 0874 009	IC TLP521-1(BL)	Dias iC	ZD601	276 0644 911	Zonor diodo MTZ IZ EA	751/
10400,101	202 001 7 000	10 10 321-1(02)		11 20001	270 0044 911	Zener diode MTZJ7.5A	7.5 V
IC701	268 0073 905	IC ICP-N15	IC protector	ZD701,702	276 0645 978	Zener diode MTZJ36A	36 V
		10.01	lo protector	ZD703	276 0644 911	Zener diode MTZJ7.5A	7.5 V
				ZD705,706	276 0645 907	Zener diode MTZJ18A	18 V
TR301~304	271 0094 919	Transistor 2SA970(BL)			2,000,000	20101 0000 11120 107	10 4
TR305,306	271 0131 924	Transistor 2SA988(E/F)		SC601	279 0016 904	Thyristor SF0R1A42	
TR307~312	273 0235 923	Transistor 2SC1841(E/F)				Thyriada at artificial	
TR313,314	273 0303 910	Transistor 2SC1740S(S)		1.			
TR315,316	275 0069 001	Transistor 2SK215	N type FET	PENIOTO	20.000		
TR317,318	275 0068 002	Transistor 2SJ78	P type FET		RS GROUP		
TR323	271 0131 924	Transistor 2SA988(E/F)	7,	VR202	211 0798 103	Variable resistor 100kohm	Balance
		.,,		VR203	211 0834 012	Variable resistor 10kohm	Treble
TR401,402	271 0280 901	Transistor 2SA1038S(S/E)		VR204	211 0834 009	Variable resistor 30kohm	Bass
TR403,404	273 0281 906	Transistor 2SC2705(O)/(Y)					
TR405,406	273 0432 904	Transistor 2SC2389S(S/E)		∆ R116	244 0157 003	Metal oxide 2.2kohm 3W	RS14B3F222JNBS(S)
TR407,408	271 0168 900	Transistor 2SA1145(O)/(Y)		ΔR182	244 0157 003	Metal oxide 2.2kohm 3W	RS14B3F22/JNBS(5)
				A			
TR601,602	273 0235 923	Transistor 2SC1841(E/F)		⚠R309-312	241 2380 963	Carbon film 2.2kohm 1/4W	RD14B2E22JINBS
TR603~605	273 0303 910	Transistor 2SC1740S(S)		△R317,318	241 2377 963	Carbon film 120ohm 1/4W	RD14B2E12\JNJBS
TR606	271 0192 905	Transistor 2SA933S(S)		△R319-322	241 2377 976	Carbon film 130ohm 1/4W	RD14B2E13UNBS
TR607	273 0235 923	Transistor 2SC1841(E/F)		△R323,324 △ 5005 800		Fusible resistor 68ohm 1/4W	
TR608	271 0094 935	Transistor 2SA970(BL/GR)		△R325,326 △R327,328	241 2380 950	Carbon film 2kohm 1/4W	RD14B2E20/JNBS
TR609	272 0107 906	Transistor 2SB1328(P)		△R331.332	241 2379 929	Carbon film 560ohm 1/4W	RD14B2E56 UNBS
TR610~612	273 0235 923	Transistor 2SC1841(E/F)		△ R333-336	241 2378 920 244 2043 982	Carbon film 220ohm 1/4W	RD14B2E221JNBS
TR615	273 0303 910	Transistor 2SC1740S(S)		△R345~348	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNBS(S)
TR616	272 0107 906	Transistor 2SB1328(P)			241 2379 987	Metal oxide 0.22ohm 1W Carbon film 1kohm 1/4W	RS14B3AR2UNBS(S)
				23/1001	24: 2013 301	CALCOTTENT INCHES 17444	RD14B2E102JNJBS
TR701	274 0168 006	(,		A Rant and	241 2270 D16	Carbon film 510ohm 1/4W	RD14B2E511NIBS
TR702	272 0129 007	Transistor 2SB1566(E/F)				Carbon film 270ohm 1/4W	RD14B2E271 NBS
TR703	271 0280 901	Transistor 2SA1038S(S/E)				Carbon film 510ohm 1/4W	RD14B2E511NJBS
TR704,705	273 0432 904	Transistor 2SC2389S(S/E)				Carbon film 270ohm 1/4W	RD1482E271NJBS
TR706	273 0303 910	Transistor 2SC1740S(S)				Carbon film 1kohm 1/4W	RD14B2E102N/BS
						COLDANIES TROUBLE STATE	UDIADXE (OSIGER)
TR801~806	273 0235 923	Transistor 2SC1841(E/F)		△R601-604	241 2380 950	Carbon film 2kohm 1/4W	RD1482E202NIBS
						Metal oxide 3kohm 5W	RS1483H302NJBS(S)
D101~106	276 0616 907	Diode 1SS252				Metal oxide 3kohm 5W	RS14B3H302N/BS(S)
						Metal oxide 3kohm 5W	RS14B3H302N BS(S)
D301~306	276 0616 907	Diode 1SS252	////				I I I I I I I I I I I I I I I I I I I
D351,352	276 0616 907	Diode 1SS252		△R711,712	244 2043 908	Metal oxide 680ohm 1W	RS14B3A681 (#BS(S)
Dus				A		Carbon film 4.7ohm 1/4W	RD14B2E4R7N#BS
D401~414	276 0616 907	Diode 1SS252				Carbon film 4.7ohm 1/4W	RD14B2E4F7N#BS
D004 000						Metal oxide 680ohm 1W	RS14B3A681 (#BS(S)
D601,602	276 0616 907	Diode 1SS252				and cooperate 137	an iou worlds roles
D704	070 0550 005	D' 1 40000 CT				•	
D701	276 0553 905	Diode 1SR35-200A					

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	
CAPACITO	ORS GROUP		•	C701,702	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C111,112	253 4444 907	Ceramic cap. 220pF/50V	CC45SL1H221J	C703,704	254 4261 921	Electrolytic 100µF/50V	CE04W1H101M	
0111,112	200 1111001			C705,706	254 6206 007	Electrolytic 12000µF/63V	CE68W1J123MC(DL)
C207,208	254 4260 980	 Electrolytic 10μF/50V	CE04W1H100M	C707	256 1042 903	Metalized 0.1µF/250V	CF93A2E104K	
C209,210	253 4537 982	Ceramic cap. 56pF/50V	CC45SL1H560J	C708	254 4263 916	Electrolytic 0.22µF/100V	CE04W2AR22M	
C213,214	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M					
C215,216	254 4254 941	Electrolytic 100µF/16V	CE04W1C101M	OTHERS	PARTS GRO	10	1	Q'ty
C217,218	255 1265 994	Film cap. 0.033µF/50V	CQ93M1H333J(B)	OTHERS	PARTS GRO		T	1
C219,220	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M		_	(P.W.board)		(1)
C221,222	254 4260 906	Electrolytic 0.1µF/50V	CE04W1H0R1M				B	
C223,224	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M	SW101	212 0336 005	Rotary switch	Rec out sel.	1
C225,226	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M	011/000	040 4404 004	10	Common disease	١,
C227,228	256 1034 953	Metalized 0.068µF/50V	CF93A1H683J	SW202	212 1161 004	1P push switch	Surce direct	1
C229,230	255 1265 994	Film cap. 0.033µF/50V	CQ93M1H333J(B)	DI 404 400	044 0470 007	Delay/MDC0 40110DV0		
C250,251	254 4254 941	Electrolytic 100µF/16V	CE04W1C101M	RL101~106	214 0178 007	Relay(MR62-12USRY)		6
C252,253	255 4237 929	Film cap. 56pF/100V	CQ93P2A560J(NH)		004 0000 000	4D min in als/C CND)	for TABE	_
C256,257	254 4254 941	Electrolytic 100µF/16V	CE04W1C101M		204 8266 008	4P pin jack(S-GND)	for TAPE	2
C258,259	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M		204 8278 009	6P pin jack(S-GND)	for INPUTS	1
C261	253 1181 917	Ceramic cap. 0.022µF/50V	CK45F1H223Z					
C262,263	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103J(B)					
C301,302	254 4254 941	Electrolytic 100µF/16V	CE04W1C101M					
C303,304	255 4235 918	Film cap. 100pF/100V	CQ93P2A101J(NH)					
C305,306	255 6177 980	Film cap. 220pF/50V	CQ09S1H221J(STM)					
C307,308	255 1264 908	Film cap. 1000pF/50V	CQ93M1H102J(B)] -		-		
C309,310	254 4252 082	Electrolytic 2200µF/10V	CE04W1A222M					
C311,312	255 4237 929	Film cap. 56pF/100V	CQ93P2A560J(NH)					:
C317,318	253 4470 900	Ceramic cap. 10pF/500V	CC45SL2H100D					
C319~322	254 4261 921	Electrolytic 100µF/50V	CE04W1H101M					
C329~332	254 4262 904	Electrolytic 4.7µF/63V	CE04W1J4R7M					
C339	254 4262 755	Electrolytic 100µF/63V	CE04W1J101MC					
C361,362	253 4490 906	Ceramic cap. 68pF/500V	CC45SL2H680J					
C363,364	253 4470 900	Ceramic cap. 10pF/500V	CC45SL2H100D					
C371,372	255 6178 947	Film cap. 680pF/50V	CQ09S1H681J(STM)					
C401,402	254 4261 918	Electrolytic 47μF/50V	CE04W1H470M					
C403,404	254 3056 959	Electrolytic 10µF/50V	CE04D1H100MBP					
			(Bipole)					
C405,406	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M					
C407,408	255 1264 908	Film cap. 1000pF/50V	CQ93M1H102J(B)				İ	
C409,410	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M					
C411,412	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103J(B)					
C413~416	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J					
C451,452	253 1179 987	Ceramic cap. 470pF/50V	CK45B1H471K					
C601,602	255 1265 936	Film cap. 0.01μF/50V	CQ93M1H103J(B)			1		
C603	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M			1		
C604	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M					1
C605	254 4252 901	Electrolytic 22µF/10V	CE04W1A220M					
C606	255 1265 978	Film cap. 0.022μF/50V	CQ93M1H223J(B)			•		1
1								
	<u> </u>			J L				<u> </u>

1U-2939A μ -COM UNIT ASS'Y (PMA-925R)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	
SEMICON	DUCTORS G	ROUP		C809	254 4196 973	Electrolytic 4.7µF/50V	CE04W1H4R7M(S	RA)
IC105	499 0150 008	IC SBX1610-52	Remote sensor	C810	254 4196 944	Electrolytic 1µF/50V	CE04W1H010M(SI	RA)
				C811	254 4196 928	Electrolytic 0.33µF/50V	CE04W1HR33M(S	RA)
IC702	263 0793 002	IC NJM7806FA(S)	Regulator +6 V	C812	256 1034 982	Metallized 0.12µF/50V	CF93A1H124J	
IC801	262 1579 303	IC HD404304A13P	μ-com	C901	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
IC802	263 0476 002	IC LB1639	Motor driver	C902	253 1181 917	Ceramic cap. 0.022µF/50V	CK45F1H223Z	
IC803	263 0535 008	IC M51954AL	Reset IC	C905,906	253 1179 929	Ceramic cap. 150pF/50V	CK45B1H151K	
				C907,908	253 1179 961	Ceramic cap. 330pF/50V	CK45B1H331K	
IC901	263 0322 004	IC BA4558		C909,910	253 1179 903	Ceramic cap. 100pF/50V	CK45B1H101K	
				C911,912	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
TR707	274 0168 006	Transistor 2SD2395(E/F)		C913,914	255 1251 937	Film cap. 3300pF/50V	CQ92M1H332J(MF	RZ)
				C915,916	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M	
TR807	271 0192 905	Transistor 2SA933S(S)		C917,918	256 1034 953	Metallized 0.068µF/50V	CF93A1 H683J	
TR808,809	273 0303 910	Transistor 2SC1740S(S)		C919,920	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	
TR810	269 0046 906	Transistor DTA114ES	Built in resistor	C921,922	255 4223 959	Film cap. 0.018µF/50V	CQ92M1H183J(MF	•
				C923,924	255 1264 911	Film cap. 1200pF/50V	CQ93M1H122J(B)	
TR901~904	275 0038 045	Transistor 2SK369(BL)/(GR)-C	N type FET △VGS	C925,926	253 1179 961	Ceramic cap. 330pF/50V	CK45B1H331K	
				C935	254 4252 930	Electrolytic 100µF/10V	CE04W1 A101M	
D801~805	276 0616 907	Diode 1SS252		C936,937	254 4256 936	Electrolytic 47µF/25V	CE04W1 E470M	
D806	276 0553 905	Diode 1SR35-200A						
D807,808	276 0616 907	Diode 1SS252		OTHERS	PARTS GRO	ID.		Q'i
D901,902	276 0616 907	Diode 1SS252		OTHERS	-	(P.W.board)		(1
ZD704	276 0644 995	Zener diode MTZJ16A	16 V	L901,902	235 9003 002	Inductor (150µH)	FTZ clolke coil	2
LD801	393 9559 904	LED SLR-56DUTB7	Orange	XL801	399 9018 003	Resonator	CST4.00 MGW	1
LD802~807	393 9515 906	LED SLR-56VR70	Red	7.200		1.000		
PH701	279 0034 041	Posistor		SW801~806	212 4789 001	Tact switch		
		PTH9M04BD222TS2F333		SW901	212 1099 008	1P push swtch	MM/MC	1
				0	204 8413 000	2P pin jack(C-GND)	PHONO	1
RESISTO	RS GROUP					P.V.C.tube L=10	for PHTO 1	2
AR832	241 2387 940		RD14B2E4R7JNBS					
∑R936,937	241 2377 905	Carbon film 68ohm 1/4W	R014B2E680JNBS					
CAPACIT	ORS GROUP							
C709	254 4263 916	Electrolytic 0.22µF/100V	CE04W2AR22M					
C711	253 1181 904	Ceramic cap. 0.01µF/50V	CK45F1H103Z					
C712,713	254 4260 980		CE04W1H100M					
C714,715	253 1181 904	Ceramic cap. 0.01μF/50V	CK45F1H103Z					
C801	254 4213 937	Electrolytic 100μF/6.3V	CE04W0J101M(SRA)					
C802	253 1181 917	Ceramic cap. 0.022µF/50V	CK45F1H223Z					
C803	254 4213 937	Electrolytic 100µF/6.3V	CE04W0J101M(SRA)					
C805	254 4213 937	Electrolytic 100µF/6.3V	CE04W0J101M(SRA)					
C806	254 6190 906		CE04W0J331M(SRA)			-		
C807	259 0007 003	Back up cap. 8200μF/5.5V	SB CAP==822=					
C808	253 1181 917	Ceramic cap. 0.022µF/50V	CK45F1H223Z					

1U-2938 MAIN UNIT ASS'Y (PMA-725R) 1U-2938A : Europe model 1U-2938B : U.K. model

1U-2940C VOLUME UNIT ASS'Y (PMA-925R)

Ref. No.	Part No.	Part Name	Remarks		Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS G	ROUP			SEMICON	DUCTORS G	ROUP	
TR617,618	273 0235 923	Transistor 2SC1841(E/F)			IC201	263 0322 004	IC BA4558	Linear ope. amp
,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			IC202	263 0609 002	IC NJM2068DDC	
D001	276 0616 907	Diode 1SS252						
					IC401,402	263 0930 001	IC µPC5023CS-064	Bias IC
D441~444	276 0616 907	Diode 1SS252			IC403,404	262 0874 009	IC TLP521-1(BL)	
D610~612	276 0616 907	Diode 1SS252			IC701	268 0073 905	IC ICP-N15	IC protector
RESISTO	RS GROUP(N	lot included carbon film	±5%, 1/4W)					
VR201	211 0869 003	Variable resistor 30kohm	Main volume					
***************************************	211 0000 000	Variable resistor concrim	IVan Volume		TR301~304		Transistor 2SA970(BL)	
∆R341,342	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNB	S(S)	TR305,306	271 0131 924	Transistor 2SA988(E/F)	
				***	TR307~312		Transistor 2SC1841(E/F)	
△A501,502	244 2043 937	Metal oxide 10ohm 1W	RS14B3A10CUNBS	S(S)	TR313,314	273 0303 910	Transistor 2SC1740S(S)	
△R505-508	244 2050 933	Metal oxide 180ohm 1W	RS14B3A181JNB		TR323	271 0131 924	Transistor 2SA988(E/F)	
					TR401,402	271 0280 901	Transistor 2SA1038S(S/E)	
ΔR652	244 0157 003	Metal oxide 2.2kohm 3W	RS14B3F222JNB		TR403,404	271 0280 901	Transistor 2SC2705(O)/(Y)	
∆R653	244 2069 018	Metal oxide 3kohm 5W	RS14B3H302JNB	(S)	TR405,406	273 0432 904	Transistor 2SC2389S(S/E)	
∆R654	244 2069 005	Metal oxide 2.4kohm 5W	RS14B3H242JNB	(S)	TR407,408	271 0168 900	Transistor 2SA1145(O)/(Y)	
△R655	244 2069 018	Metal oxide 3kohm 5W	FIS14B3H302.JNB	S)	111101,100	2770100000	Transition Editing (O)(T)	
△ R656	244 2069 005	Metal oxide 2.4kohm 5W	RS14B3H242JNB	(S)	TR601,602	273 0235 923	Transistor 2SC1841(E/F)	
△R660	244 0157 003	Metal oxide 2.2kohm 3W	RS14B3F222JNB		TR603~605		Transistor 2SC1740S(S)	
CAPACITO	ORS GROUP				TR606	271 0192 905	Transistor 2SA933S(S)	
ΔC002	253 8003 713	Caramic cap. 4700pF4400V AC	CK45E2GAC472N	C	TR607	273 0235 923	Transistor 2SC1841(E/F)	
				**************************************	TR608	271 0094 935	Transistor 2SA970(BL/GR)	
C203,204	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		TR609	272 0107 906	Transistor 2SB1328(P)	
C205	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103J(B)		TR610	273 0235 923	Transistor 2SC1841(E/F)	
			· ·		TR611	273 0235 923	Transistor 2SC1841(E/F)	Europe modifiel only
C501,502	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J		R612	273 0235 923	Transistor 2SC1841(E/F)	
OTHERS	PARTS GROU	ip o		Q'ty	TR615	273 0303 910	Transistor 2SC1740S(S)	
OTHERO	Airro ano	(P.W.board)		-	TR616	272 0107 906	Transistor 2SB1328(P)	
	_	(F. VV. DOdiu)		(1)				
L301,302	235 0104 007	Inductor(1mH)		2	TR701	274 0168 006	Transistor 2SD2395(E/F)	
2001,002	202 0022 008	Fuse holder	for F001,002	4	TR702	272 0129 007	Transistor 2SB1566(E/F)	
∆F001	206 1015 032	Fuse(2.5A)	.51 1 50 1,00E	1	TR703	271 0280 901	Transistor 2SA1038S(S/E)	
△F002	206 1015 029	Fuse(1AT)		i	TR704,705	273 0432 904	Transistor 2SC2389S(S/E)	
	513 0654 017	Fuse label (T. 25A)	for F001	1	TR706	273 0303 910	Transistor 2SC1740S(S)	
Δ	415 0299 000	Capacitor cover	for C002	1	Trond and	070 0005 000	Tonnelster 0004044/F/F	
_ ∆RL001	214 0142 004	Relay(TV-5)		1	1H8U1~806	273 0235 923	Transistor 2SC1841(E/F)	
		***************************************		- Anna (1900)	D104 400	276 0616 907	Diada 100000	
RL601,602	214 0129 001	Relay(DH2TU)	for SP-A,B	2	D101~106	210 0010 90/	Diode 1SS252	
RL603	214 0178 007	Relay(MR62-12USRY)	for Headphone	1	D301~306	276 0616 907	Diode 1SS252	
					D351,352	276 0616 907	Diode 155252 Diode 155252	1
SW501	212 1162 003	3P push switch	for Speaker	1	2001,002	210001030/	DIVUE 199292	
			ON-OFF		D401~414	276 0616 907	Diode 1SS252	
	205 0484 001	8P speaker terminal	for Speaker	1	D401~414	210 0010 301	DIVUT 100202	
	204 8503 004	:Head phone jack	JA501	1	D601,602	276 0616 907	Diode 1SS252	
Δ	203 3950 002	3P AC outlet	AOL-1		5001,002	210 0010 001	JOSE TOUR -	
					D701	276 0553 905	Diode 1SR35-200A	
Δ	205 0692 000	2P wrapping terminal		1	2,0	2, 2 2000 000		

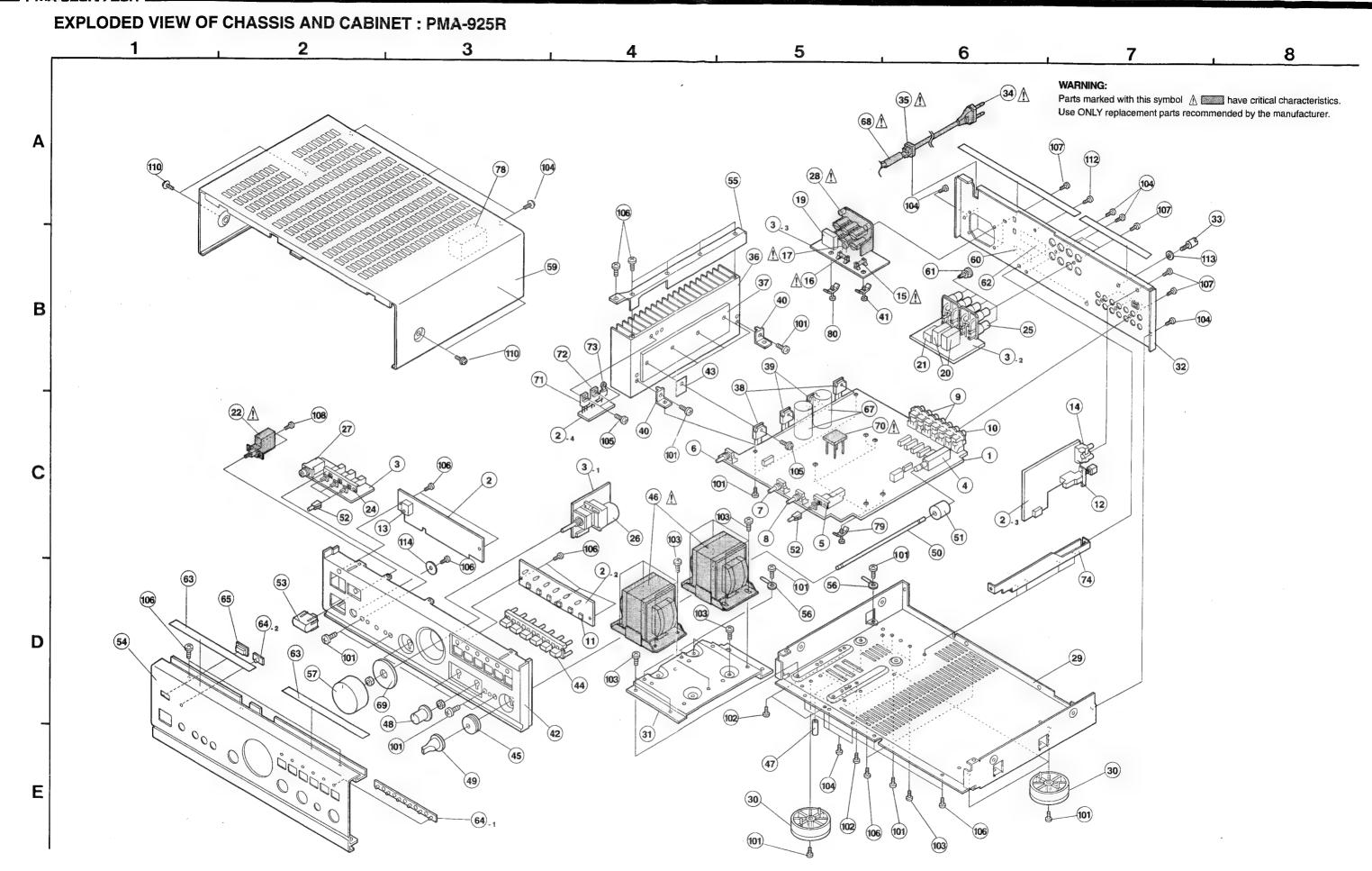
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
∆ 0702	276 0338 007	Diode S4VB20F	Bridge	CAPACI	TORS GROU	P	
D703,704	276 0553 905	Diode 1SR35-200A		C111,112	253 4444 90		CC45SL1H221J
					200 1111 00	Ocidaniio dap. 220pi /300	CC455L1H221J
				C207,208	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M
ZD401~404	276 0643 954	Zener diode MTZJ3.9A	3.9 V	C209,210	253 4537 982		CC45SL1H560J
				C213,214	254 4260 948		CE04W1H010M
ZD601	276 0644 911	Zener diode MTZJ7.5A	7.5 V	C215,216	254 4254 941		CE04W1C101M
				C217,218	255 1265 994		CQ93M1H333J(B)
ZD701,702	276 0645 978	Zener diode MTZJ36A	36 V	C219,220	254 4260 919		CE04W1HR22M
ZD703	276 0644 911	Zener diode MTZJ7.5A	7.5 V	C221,222	254 4260 906		CE04W1H0R1M
ZD705,706	276 0645 907	Zener diode MTZJ18A	18 V	C223,224	254 4260 935		CE04W1HR47M
				C225,226	254 4260 922	1	CE04W1HR33M
				C227,228	256 1034 953	1	CF93A1H683J
SC601	279 0016 904	Thyristor SF0R1A42		C229,230	255 1265 994		CQ93M1H333J(B)
				C250,251	254 4254 941		CE04W1C101M
				C252,253	255 4237 929	Film cap. 56pF/100V	CQ93P2A560J(NH)
RESISTO	RS GROUP		1	C256,257	254 4254 941	Electrolytic 100µF/16V	CE04W1C101M
VR202	211 0798 103	Variable resistor 100kohm	Balance	C258,259	254 4260 948	Electrolytic 1µF/50V	CE04W1H01OM
VR203	211 0/30 103	Variable resistor 10kohm	Treble	C261	253 1181 917	Ceramic cap. 0.022µF/50V	CK45F1H223Z
VR204	211 0834 009	Variable resistor 30kohm		C262,263	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103J(B)
VIIZOT	211 0004 009	variable resistor sukonim	Bass			1	OG30/81111/33(B)
∆ R115,116	244 2051 974	Metal oxide 1kohm 1W	CONTROL MANUFACTOR	C301,302	254 4254 941	Electrolytic 100µF/16V	CE04W1C101 M
AR162,163	244 2051 974	Metal oxide 1kohm 1W	RS14B3A102JNBS(S)	C303,304	255 4235 918	Film cap. 100pF/100V	CQ93P2A10IJ(NH)
	277 244) 217	HIGHER CARDE (KUTER) (VY	RS14B3A102JNBS(S)	C305,306	255 6177 980	Film cap. 220pF/50V	CQ09S1H22IJ(STM
1.A309–312	241 2380 963	Carbon film 2.2kohm 1/4W	Districtions have	C307,308	255 1264 908	Film cap: 1000pF/50V	CQ93M1H1(2J(B)
AB317,318	241 2377 963	Carbon film 120ohm 1/4W	RD14B2E222JNBS	C309,310	254 4252 082	Electrolytic 2200µF/10V	CE04W1A222M
AR319-322	241 2377 976	Carbon film 130ohm 1/4W	RD14B2E121UNBS	C311,312	255 4237 929	Film cap. 56pF/100V	CQ93P2A56(J(NH)
1 R323,324	241 2315 967	Fusible resistor 68ohm 1/4W	FID14B2E131JNES	C317,318	253 4470 900	Ceramic cap. 10pF/500V	CC45SL2H10OD
1.R325,326	241 2380 950	Carbon film 2kohm 1/4W	RD14B2E680GFRS	C319-322	254 4261 921	Electrolytic 100µF/50V	CE04W1H10IM
AR327,328	241 2379 929	Carbon film 560ohm 1/4W	FID14B2E202JNBS	C329~332	254 4262 904	Electrolytic 4.7µF/63V	CE04W1J4R7M
1\A333-336	244 2043 982	Metal oxide 0.22onm 1W	RD14B2E561,INBS	C339	254 4262 755	Electrolytic 100µF/63V	CE04W1J101MC
3.8345-348	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR2ZJNBS(S)	C371,372	255 6178 947	Film cap. 680pF/50V	CQ09S1H68U(STM
18351	241 2379 987	Carbon film 1kohm 1/4W	RS14B3AR22JNBS(S)			oop: oop://oo	000001110000(01141)
		OCHANT HIRE INCRESS STATES	RD14B2E102JNBS	C401,402	254 4261 918	Electrolytic 47µF/50V	CE04W1H47
∆R401,402	241 2379 916	Carbon film 510ohm 1/4W	DOLIDATELL NIDA	C403,404	254 3056 959	Electrolytic 10µF/50V	CE04D1H100ABP
· · · · · · · · · · · · · · · · · · ·	241 2378 946	Carbon film 270ohm 1/4W	RD14B2E511JNBS				(Bipole)
	241 2379 916	Carbon film 510ohm 1/4W	RD14B2E271JNBS RD14B2E511JNBS	C405,406	254 4260 993	Electrolytic 22µF/50V	CE04W1H22(M
		Carbon film 270ohm 1/4W	RD1482E371JNBS	C407,408	255 1264 908	Film cap. 1000pF/50V	CQ93M1H10(J(B)
		Carbon film 1kohm 1/4W		C409,410	254 4260 948	Electrolytic 1µF/50V	CE04W1H01
	2370 007		FID14B2E102JNBS	C411,412	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103J (B)
∆R601~604	241 2380 950	Carbon film 2kohm 1/4W	DELABORONO INDO	C413-416	256 1034 979	Metalized 0.1μF/50V	CF93A1H104
		Metal oxide 4.7kohm 1W	RD14B2E202.INBS	C451,452	253 1179 987	Ceramic cap. 470pF/50V	CK45B1H471K
		Metal oxide 5.6kohm 1W	RS14B3A472JNBS(S)				5.(10511771 ₁
		Metal oxide 5.6kohm 1W	RS14B3A562JNBS(S)	C601,602	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103(€ B)
	- 17 LOGE 851	TOTAL CARGE ELECTRICATION OF THE PERSON OF T	RS14B3A562JNBS(S)	C603	1	Electrolytic 330µF/6.3V	CE04W0J331M
A711,712	244 2043 908	Metal oxide 680ohm 1W	DOM ADDRESS INDOS	C604		Electrolytic 100µF/10V	CE04W1A101/#
			RS14B3A681JNBS(S)	C605	1	Electrolytic 22µF/10V	CE04W1A220
		Carbon film 4.7ohm 1/4W	RD14B2E4R7JNBS	C606		Film cap. 0.022µF/50V	CQ93M1H223(B)
		Carbon film 4.7ohm 1/4W	RD14B2E4R7JNBS			oop: o.occpr /OO4	Decommend D
***************************************	COUR CHUS 1113	Metal oxide 680ohm 1W	RS14B3A681JNBS(S)	C701,702	254 4260 948	Electrolytic 1µF/50V	CE04W1H010#
				C703,704		Electrolytic 100µF/50V	CE04W1H10th
				00,7 0 7			OE04441U10M

1U-2939A μ -COM UNIT ASS'Y (PMA-725R)

C707 2 2 C708 2 2 C708 2 2 C708 2 C70	254 6205 008 256 1042 903 254 4263 916	Electrolytic 10000μF/51V Metalized 0.1μF/250V Electrolytic 0.22μF/100V	CE68W==103MC CF93A2E104K	DL)	SEMICON	DUCTORS G	ROUP	
OTHERS PA	254 4263 916	·						
OTHERS PA		, .	CE04W2AR22M		IC105	499 0150 008	IC SBX1610-52	Remote sensor
					IC702	263 0793 002	IC NJM7806FA(S)	Regulator +6V
	NDTS CDO!	ID		Q'ty	IC801	262 1579 303	IC HD404304A13P	μ-com
SW101 2	An 13 Gnot			+	IC802	263 0476 002	IC LB1639	Motor driver
SW101	_	(P.W.board)		(1)	IC803	263 0535 008	IC M51954AL	Reset IC
1	212 0336 005	Rotary switch	Rec out sel.	1	IC901	263 0322 004	IC BA4558	
SW202	212 1161 004	1P push switch	Surce direct	1	TR707	274 0168 006	Transistor 2SD2395(E/F)	
RL101~106	214 0178 007	Relay(MR62-12USRY)	Acid made Punderprose	6	TR807	271 0192 905	Transistor 2SA933S(S)	
					TR808,809	273 0303 910	Transistor 2SC1740S(S)	
1	204 8266 008 204 8278 009		for TAPE for INPUTS	1	TR810	269 0046 906	Transistor DTA114ES	Built in resistor
	:				TR901~904	275 0038 045	Transistor 2SK369(BL)/(GR)-C	N type FET △VGS
					D801~805	276 0616 907	Diode 1SS252	
					D806	276 0553 905	Diode 1SR35-200A	
					D807,808	276 0616 907	Diode 1SS252	
					D901,902	276 0616 907	Diode 1SS252	
					ZD704	276 0644 995	Zener diode MTZJ16A	16 V
					LD801	393 9559 904	LED SLR-56DUTB7	Orange
					LD802~807	393 9515 906	LED SLR-56VR70	Red
					PH701	279 0034 041	Posistor PTH9M04BD222TS2F333	
					RESISTOR	RS GROUP		
					∆ R832		Carbon film 4.7ohm 1/4W	RD14B2E4R7JNBS
					△ R936,937		Carbon film 68ohm 1/4W	RD1482E680JNBS
					CAPACITO	ORS GROUP		
					C709	254 4263 916	Electrolytic 0.22µF/100V	CE04W2AR22M
					C711	253 1181 904	Ceramic cap. 0.01µF/50V	CK45F1H103Z
					C712,713	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M
					C714,715	253 1181 904	Ceramic cap. 0.01μF/50V	CK45F1H103Z
					C801	254 4213 937	Electrolytic 100µF/6.3V	CE04W0J101M(SRA)
					C802	253 1181 917		CK45F1H223Z
					C803	254 4213 937		CE04W0J101M(SRA)
					C805	254 4213 937	Electrolytic 100µF/6.3V	CE04W0J101M(SRA)
					C806	254 6190 906		CE04W0J331M(SRA)
					C807	259 0007 003	Back up cap. 8200μF/5.5V	SB CAP==822=
					C808	253 1181 917	Ceramic cap. 0.022µF/50V	CK45F1H223Z

1U-2940 VOLUME UNIT ASS'Y 1U-2940A : Europe model 1U-2940B : U.K. model

					10-2940	B : U.K. mo	odel		
Ref. No.	Part No.	Part Name	Remarks		Ref. No.	Part No.	Part Name	Remarks	
C809	254 4196 973	Electrolytic 4.7μF/50V	CE04W1H4R7M(S	RA)	SEMICON	DUCTORS G	ROUP		
C810	254 4196 944	Electrolytic 1µF/50V	CE04W1H010M(S	RA)	TR617,618	273 0235 923	Transistor 2SC1841(E/F)		
C811	254 4196 928	Electrolytic 0.33µF/50V	CE04W1HR33M(S	RA)					
C812	256 1034 982	Metallized 0.12μF/50V	CF93A1H124J		D001	276 0616 907	Diode 1SS252	Europe model only	
					D441~444	276 0616 907	Diode 1SS252		İ
C901	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M		D610~612	276 0616 907	Diode 1SS252		
C902	253 1181 917	Ceramic cap. 0.022μF/50V	CK45F1H223Z		RESISTO	RS GROUP(N	ot included carbon film	±5%,1/4W)	
C905,906	253 1179 929	Ceramic cap. 150pF/50V	CK45B1H151K		VR201	211 0869 003	Variable resistor 30kohm	Main volume	
C907,908	253 1179 961	Ceramic cap. 330pF/50V	CK45B1H331K		△R341,342	244 2043 982	Metal oxide 0.22ohm 1W	RS14B3AR22JNBS	N(S)
C909,910	253 1179 903	Ceramic cap. 100pF/50V	CK45B1H101K		△R501,502	244 2043 937	Metal oxide 10ohm 1W	RS14B3A100JNBS	
C911,912	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M		△R505-508	244 2050 933	Metal oxide 180ohm 1W	RS1483A181JNBS	
C913,914	255 1251 937	Film cap. 3300pF/50V	,	RZ)	△R652	244 0157 003	Metal oxide 2.2kohm 3W	RS14B3F222JNB	ι(Ο)
C915,916	254 4252 930	Electrolytic 100μF/10V	CE04W1A101M		△R653	244 2043 940	Metal oxide 2.2kohm 1W	RS14B3A/22,JNBS	(S)
C917,918	256 1034 953	Metallized 0.068µF/50V	CF93A1H683J		△R654	244 2052 915	Metal oxide 1.8kohm 1W	RS14B3A182JINBS	
C919,920	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		△R655	244 2043 940	Metal oxide 2.2kohm 1W	R\$14B3A22JNBS	
C921,922	255 4223 959	Film cap. 0.018μF/50V	,	1	△R656	244 2052 915	Metal oxide 1.8kohm 1W	RS14B3A182JNBS	
C923,924	255 1264 911	Film cap. 1200pF/50V	CQ93M1H122J(B)	### Page 1		244-0157-003	Melai oxide 2.2kohm 3W	RS14B3F222JNB	,,,
C925,926	253 1179 961	Ceramic cap. 330pF/50V	CK45B1H331K		Δ R660		WORLD CALLS C. C. C. C. C. C. C. C. C. C. C. C. C.	11011100112222	
C935	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M			ORS GROUP			
C936,937	254 4256 936	Electrolytic 47μF/25V	CE04W1E470M		△C002	253 8003 713	Ceramic cap. 4700pF/400V AC	CK45E2GAC472M	IC.
					C203,204	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	
OTHERS I	PARTS GROU	JP .		Q'ty	C205	255 1265 936	Film cap. 0.01µF/50V	CQ93M1H103 J (B)	
	_	(P.W.board)		(1)					
					C501,502	256 1034 979	Metalized 0.1μF/50V	CF93A1H104J	
L901,902	235 9003 002	Inductor (150µH)			OTHERS	PARTS GROU	JP		Q'ty
		_				_	(P.W.board)		(1)
XL801	399 9018 003	Resonator	CST4.00 MGW	1					
@4ma4 aaa	010 1800 001	To a know Mark			L301,302	235 0104 007	Inductor(1mH)		2
SW801~806	212 4789 001	Tact switch		6					
SW901	212 1099 008	1B auch autoh	MM/MC			202 0022 008	Fuse holder	Europe m de	4
SMain	204 8413 000	1P push swtch	PHONO			202 0022 008	Fuse holder	U.K. model	2
		2P pin jack(C-GND) P.V.C.tube L=10							
	415 0309 013	P.V.C.(ube L=10	for PH701	-	△F001	206 1015 061			1
					△F002	206 1015 029	Fuse(1AT)	Europe midel cynly	. 1
					A	415 DOOD 000	Capacitor cover	for CO02	1
					Δ	413 0299 000	Capacitor cover	IOI GGO2	
					△RL001	214 0142 004	Relay(TV-5)	Europe made (o-nly	1
					RL601,602	214 0129 001	Relay(DH2TU)	for SP-A,E	2
					RL603	214 0178 007	Relay(MR62-12USRY)	for Headp-lone	1
		•							
					SW501	212 1162 003	3P push switch	for Speake ON-OFF	1
						205 0484 001	8P speaker terminal	for Speak-	1
						204 8503 004	:Head phone jack	JA501	1
					Δ	203 3950 002	3P AC outlet	AOL-1	1
								Europe natel carity	
					Δ	205 0692 000	2P wrapping terminal		1
									$oldsymbol{ol}}}}}}}}}}}}}}}}}}$



PARTS LIST OFEXPLODED VIEW PMA-925R

Ref.	No.	Part No.	Part Name	Remarks	Q'ty	Ref	f. No.	Part No.	Part Name	Remarks	Q'ty
•	1	1U- 2938 C	Main unit Ass'y		1s		47	462 0094 007	Screw tube		2
	-2	1U- 2939 A	M-com unit Ass'y		1s		48	112 0646 000	:*Knob(S)	Black model	3
_ [2-1	_	M-com unit		(1)	ı	48	112 0646 013	:*Knob(S)	Gold model	3
- 11	2-2	_	LED unit		(1)		49	112 0641 102	:*Fuji knob	Black model	1
- 1	2-3	_	Phono unit		(1)	l	49	112 0641 115	:*Fuji knob	Gold modei	1
- 1	2-4	_	Supply unit		(1)	1	50	112 0784 001	Volume knob joint		1
	- 3	1U- 2940 C	Volume unit Ass'y		1s	l	51	112 0785 000	Volume knob joint (B)		1
1	-3-1	_	Volume unit		(1)	1	52	113 1745 107	:*Push button(Round)	Black model	4
- 11	3-2	_	Speaker unit		(1)	İ	52	113 1745 110	:*Push button(Round)	Gold model	4
1	3-3	_	AC outlet unit		(1)		53	113 1738 101	:*Power button	Black model	1
	-3-4		Speaker sel.unit		(1)	1	53	113 1738 114	:*Power button	Gold model	1
	4	212 0336 005	Rotary switch	SW101 Rec out sel.	1	•	54	144 2509 207	Front panel	Black model	1
	5	212 1161 004	1P push switch	SW202 S.Direct	1		54	144 2509 210	Front panel	Gold model	1
	6	211 0798 103	Variable resistor 100kohm	VR202 Balance	1	•	55	412 4136 005	Radiator bracket		1
	7	211 0834 009	Variable resistor 30kohm	VR204 Bass	1	ı	56	445 0048 003	Cord holder L=76		3
	8	211 0834 012	Variable resistor 10kohm	VR203 Treble	1		57	112 0789 006	Volume knob Ass'y	Black model	1
	9	204 8266 008	4P pin jack(S-GND)	for TAPE	2	l	57	112 0789 019	Volume knob Ass'y	Gold model	1
	10	204 8278 009	6P pin jack(S-GND)	for INPUTS	1	*	58	445 8004 007	Wire clamper		18
	11	212 4789 001	Tact switch	SW801~806	6	•	59	102 0521 128	::Top cover	Black model	1
	12	212 1099 008	1P push switch	SW901 MM/MC	1	1	59	102 0521 131	::Top cover	Gold model	1
	13	499 0150 008	Remote sensor SBX1610-52	IC105	1		60	513 2444 005	Label (China)	Puton rear panel	1
	14	204 8413 000	2P pin jack(C-GND)	for PHONO	1	1	61	477 0096 007	Push rivet		8
Δ	15	206 1015 032	Fuse (2.5A)	F001	- 1		62	513 2433 003	Serial No. sheet		1
Δ	16	206 1015 029	Fuse (1AT)	F002			63	122 0219 007	Sheet	F/Panel,R/Panel	4
Δ	17	415 0299 000	Capacitor cover	for C002	1		64	143 0945 006	:*Lens		1
***	18	_	_				64-1	-	:*Lens		(1)
Δ	19	214 0142 004	Relay(TV-5)	PL001	t		64-2	_	:*Lens		(1)
	20	214 0129 001	Relay(DH2TU)	RL601,602	2	1	65	143 9181 007	:*Remocon window		1
	21	214 0178 007	Relay(MR62-12USRY)	RL101~106,603	7	*	66	254 4252 082	Electrolytic cap. 2200µF/10V	C309,310	2
Δ	22	212 1030 009	Powre switch(TV-5)	SW001	1		67	254 6206 007	Electrolytic cap. 12000μF/63V	C705,706	2
	23	_	_			Δ	68	415 0305 017	P.V.C. tube	for AC cord	1
	24	212 1162 003	3P push switch	SW501 Speaker	1	•	69	412 4135 006	Volume plate	Black model	1
				ON-OFF		l		412 4135 019	Volume plate	Gold model	1
	25	205 0484 001	8P speaker terminal	for speaker	1	Δ	70	276 0424 005	Diode 4D4B42	D-702 Bridge	1
	26	211 0869 003	Variable resistor 30kohm	VR201 Main volume	1		71	272 0129 007	Transistor 2SB1566(E/F)	TR702	1
	27	204 8503 004	:Head phone jack	JA501	1		72	263 0793 002	IC NJM7806FA(S)	IC702 Regulator +6V	9
Δ	28	203 3950 002	3P AC outlet	AOL-1	1		73	279 0034 041	PTH94M04BD222TS2F333	PH701	1
•	29	411 1267 712	*Main chassis		1	•	74	412 4156 001	Trans frame		1
	30	104 0282 007	:*Foot Ass'y		4		75	_	_		1
•	31	441 1786 016	Trans bracket		1	11	76	-	_		
•	32	105 1203 004	Rear panel		1		77	146 1651 000	Side spacer		2
	33	205 0071 016	Terminal Ass'y		1		78	461 0940 006	:Rubber form		1
Δ	34	206 2063 009	AC cord with plug		1		79	449 0138 025	Card spacer (L=31)		5
Δ	35	445 0056 008	Cord bush		. 1		80	449 0138 012	Card spacer (L=25)		1
•	36	417 0503 132	Power radiator		1	Ш	81	-	-		1
	37	417 0507 015	:*CU plate		1						
	38	273 0389 002	Transistor 2SC3855(O/P/Y)(Z)	TR319,320	2						
	39	271 0240 006	Transistor 2SA1491(O/P/Y)(Z)	TR321,322	2						
•	40	412 4000 005	:*P.W.B.bracket (A)		2	1					
1	41	449 0138 009	:Card spacer (L=12)		1	Ш					
•	42	146 1637 008	Inner panel	Black model	1						
•	42	146 1637 011	Inner panel	Gold model	1	11					
	43	_	Mica sheet		4						
	44	113 1739 003	:*Functin button	Black model	1						
	44	113 1739 016	:*Functin button	Gold model	1						
	45	_									
		0.08/00/00/00/00/00/00/00/00/00/00/00/00/0	Power transformer		2	1 I		ŧ	1	I	1

PACKING & ACCESSORIES

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
SCREW	/S & WASHE	RS			_[—151	GEN 3580	Envelope Sub. Ass'y		1s
101	473 7002 018	Screw 3x8	CBTS(S)-Z	17	●151-1 ●151-2	505 8006 019 511 2899 007	Envelope Operating instructions		(1)
102 103	473 7004 016 473 7004 029	Screw 4x6 Screw 4x10	CBTS(S)-Z CBTS(S)-Z	8	151-3	399 0277 004	Remoto control unit	RC-176	(1)
104 105	473 7015 018 473 8007 009	Screw 3x8 Cup screw 3x12	CBTS(S)-B	11	151-4	515 0671 326	Batteries DENON service network	R6P/AA/SUM-3	(2)
106	473 7508 017	Screw 3x10	CBTS(P)-B	18	152 • 153	505 8092 010 503 1222 001	Laminate envelope Cushion		1 2
107 108	477 0064 107 473 7508 004	Fixing screw 3x10 Screw 3x6	CBTS(P)-B	10 2	• 154	502 0892 002	:Support pad		2
109 110	473 7500 044 477 0263 005	Screw 3x8 3P swelling screw	CBTS(P)-B Black model	2 4	155156	502 1227 006 501 1927 009	:Sub cushion Carton case		1
110	477 0263 018	3P swelling screw	Gold model	4	157158	513 2446 003 513 2447 002	China label(E) China label(F)		1 1
111 112	473 7002 034	Screw 3x6	CBTS(S)-B	1	159	513 9111 001	Color label (Gold)	Gold model only	2
113 114	477 0018 001 475 1175 002	Washer :Washer	P-87	1 1					
115	470 1170 002	***************************************							
								<u> </u>	

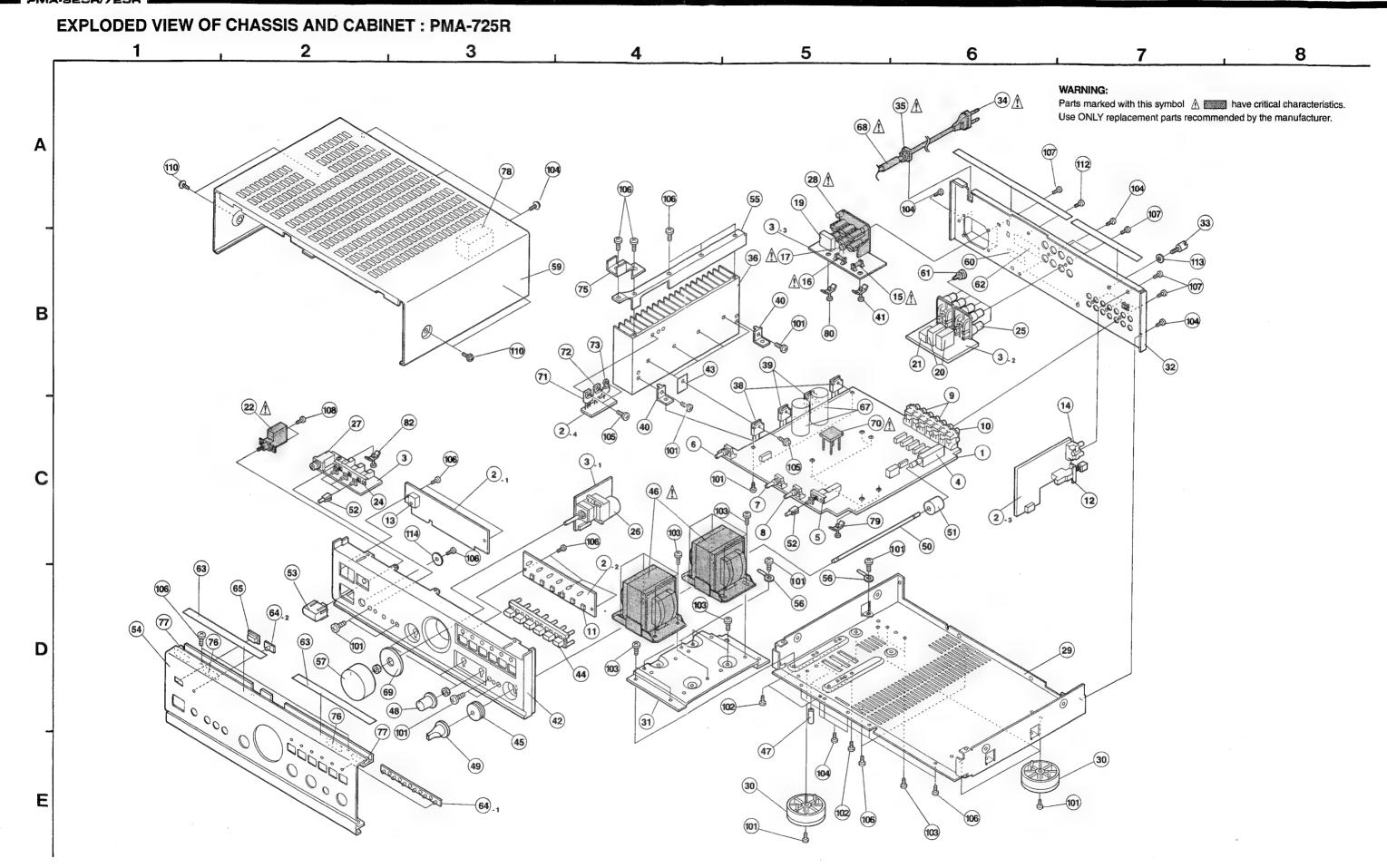
NOTE FOR PARTS LIS

- Part indicated with the mark " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.

WADNING

Parts marked with this symbol \(\triangle \) have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.



PARTS LIST OF EXPLODED VIEW PMA-725R

Ref	No.	Part No.	Part Name	Remarks	Q'ty	Re	f. No.	Part No.	Part Name	Remarks	Q'ty
•	1	1U- 2938 A	Main unit Ass'y	Europe model	1s	•	40	412 4000 005	:*P.W.B.bracket (A)		2
•	1	1U- 2938 B	Main unit Ass'y	U.K. model	1s	•	41	_	_		
• [2	1U- 2939 A	M-com unit Ass'y		1s	•	42	146 1632 003	inner panel	Black model	1
l Ir	-2-1	_	M-com unit		(1)	•	42	146 1632 016	inner panel	Gold model	1
	2-2	-	LED unit		(1)		43	_	Mica sheet		4
	2-3	_	Phono unit		(1)		44	113 1739 003	:*Functin button	Black model	1
į l	-2-4	_	Supply unit		(1)		44	113 1739 016	:*Functin button	Gold model	1
◉┌	-3	1U- 2940 A	Volume unit Ass'y	Europe model	1\$	l l	45	124 0032 057	Felt sheet		1
•	-3	1U- 2940 B	Volume unit Ass'y	U.K. model	1s	Δ	46	233 6203 003	Power transformer		2
llı	− 3-1	_	Volume unit		(1)		47	462 0094 007	Screw tube		2
	3-2	_	Speaker unit		(1)	1	48	112 0646 000	:*Knob(S)	Black model	3
	3-3		AC outlet unit	Europe model only	(1)		48	112 0646 013	:*Knob(S)	Gold model	3
	3-4	_	Speaker sel.unit		(1)		49	112 0641 102	:*Fuji knob	Black model	1
	3-5	_	Power switch unit	U.K. model only	(1)		49	112 0641 115	:*Fuji knob	Gold model	1
'	-3-6	_	AC unit	U.K. model only	(1)		50	112 0784 001	Volume knob joint		1
	4	212 0336 005	Rotary switch	SW101 Rec out sel.	1		51	112 0785 000	Volume knob joint (B)		1
	5	212 1161 004	1P push switch	SW202 S.Direct	1		52	113 1745 107	:*Push button(Round)	Black model	4
	6	211 0798 103	Variable resistor 100kohm	VR202 Balance	1		52	113 1745 110	:*Push button(Round)	Gold model	4
	7	211 0834 009	Variable resistor 30kohm	VR204 Bass	1	1	53	113 1738 101	:*Power button	Black model	1
	8	211 0834 012	Variable resistor 10kohm	VR203 Treble	1		53	113 1738 114	:*Power button	Gold model	1
	9	204 8266 008	4P pin jack(S-GND)	for TAPE	2	•	54	144 2507 306	Front panel	Black model	1
	10	204 8278 009	6P pin jack(S-GND)	for INPUTS	1		54	144 2507 319	Front panel	Gold model	1
	11	212 4789 001	Tact switch	SW801~806	6	•	55	412 4128 000	Radiator bracket		1
	12	212 1099 008	1P push switch	SW901 MM/MC	1		56	445 0048 003	Cord holder L=76		3
	13	499 0150 008	Remote sensor SBX1610-52	IC105	1		57	112 0744 009	Volume knob Ass'y	Black model	1
	14	204 8413 000	2P pin jack(C-GND)	for PHONO	1		57	112 0744 012	Volume knob Ass'y	Gold model	1
Δ	15	206 1015 061	Fuse (2 A)	F001	1	*	58	445 8004 007	Wire clamper		18
Δ	16	206 1015 029	Fuse (1AT)	F002	1	•	59	102 0543 119	::Top cover	Black model	1
				Europe model only			59	102 0543 122	::Top cover	Gold model	1
Δ	17	415 0299 000	Capacitor cover	for C002	1		60	513 2444 005	Label (China)	Puton rear panel	1
	18		_				61	477 0096 007	Push rivet		8
Δ	19	214 0142 004	Relay(TV-5)	FL001	1		62	513 2433 003	Serial No. sheet		1
				Europe model only			63	122 0219 007	Sheet	F/Panel,R/Panel	4
	20	214 0129 001	Relay(DH2TU)	RL601,602	2		64	143 0945 006	:*Lens		1
***********	21	214 0178 007	Relay(MR62-12USRY)	RL101~106,603	7		64-1	_	:*Lens		(1)
Δ	22	212 1030 009	Powre switch(TV-5)	SW001	1		64-2	-	:*Lens		(1)
	23	_	_				65	143 9181 007	:*Remocon window		1
	24	212 1162 003	3P push switch	SW501 Speaker	1	*	66	254 4252 082	Electrolytic cap. 2200µF/10V	C309,310	2
				ON-OFF			67	254 6205 008	Electrolytic cap. 10000μF/51V	C705,706	2
	25	205 0484 001	8P speaker terminal	for speaker	1	Δ	68	415 0305 017	P.V.C. tube	for AC cord	1
	26	211 0869 003	Variable resistor 30kohm	VR201 Main volume	1	•	69	412 4135 006	Volume plate	Black model	1
200700000	27	204 8503 004	:Head phone jack	JA501	1		5555555556556566	412 4135 019	Volume plate	Gold model	1
Δ	28	203 3950 002	3P AC outlet	AOL-1	1	Δ	70	276 0338 007	Diode S4VB20F	D702 Bridge	. 1
				Europe model only			71	272 0129 007	Transistor 2SB1566 (E/F)	TR702	1
•	29	411 1267 712	*Main chassis		1		72	263 0793 002	IC NJM7806FA (S)	IC702 Regulator+6V	1
	30	104 0282 007	:*Foot Ass'y		4		73	279 0034 041	PTH9M04BD222TS2F333	PH701	1
•	31	441 1786 003	Trans bracket		1		74		_		
•	32	105 1198 009	Rear panel	Europe model	1		75	412 4159 008	:Support bracket		1
•	32	105 1198 012	Rear panel	U.K. model	1		76	461 0942 004	Spacer (T=1)		2
0.00(20180.00	33	205 0071 016	Terminal Ass'y		1		77	146 1648 000	Side spacer		2
Δ	34	206 2063 009	AC cord with plug	Europe model	1		78	461 0941 005	:Rubber form		1
Δ	34	206 2131 009	AC cord with plug	U.K. model	1		79	449 0138 012	:Card spacer (L=25)		5
Δ	35	445 0056 008	Cord bush		1		80	449 0138 012	:Card spacer (L=25)		1
•	36	417 0503 129	Power radiator		1		81	449 0138 012	:Card spacer (L=25)		1
	37	-	_ ' -				82	449 0138 025	Card spacer (L=31)		1
	38	274 0173 004	Transistor 2SD2390(O/P/Y)	TR319,320	2	*	83	513 2001 008	Insulate mark sheet	U.K. model only	1
	39	272 0137 002	Transistor 2SB1560(O/P/Y)	TR321,322	2	Δ	84	202 0013 101	Fuse holder	U.K. model only	1

PACKING & ACCESSORIES

						IG & ACCE			
Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No	Part No.	Part Name	Remarks	Q'ty
85	415 0785 006	Insulating plate	U.K. model only	1	-151	GEN 3580	Envelope Sub. Ass'y		1s
86	513 1390 008	Fuse label	U.K. model only	1	● -151-1	505 8006 019	Envelope		(1)
△ 87	203 0150 009	Write connector	U.K. model only	2	151-2	511 2899 007	Operating instructions		(1)
88	415 0360 052	P.V.C. Tubing (19)	U.K. model oney	1	151-3	399 0277 004	Remoto control unit	RC-176	(1)
SCREW	/S & WASHE	RS			151-4	_	Batteries	R6P/AA/SUM-3	(2)
			0070/01 7		L151-5	515 0671 326	DENON service network		(1)
101	473 7002 018	Screw 3x8	CBTS(S)-Z	15	152	505 8092 010	Laminate envelope		1
102	473 7004 016	Screw 4x6	CBTS(S)-Z	8	• 153	503 1218 002	Cushion		2
103	473 7004 029	Screw 4x10	CBTS(S)-Z	14	• 154	502 0893 001	:L supporter		2
104	473 7015 018	Screw 3x8	CBTS(S)-B	10	9 155	502 0894 000	:Pad (T=10)		1
105	473 8007 009	Cup screw 3x12		7	156	501 1922 004	Carton case		1
106	473 7508 017	Screw 3x10	CBTS(P)-B	18	• 157	513 2446 003	China label(E)	İ	1
107	477 0064 107	Fixing screw 3x10	Europe model	10	158	513 2447 002	China label(F)		1
107	477 0064 107	Fixing screw 3x10	U.K. model	6	159	513 9111 001	Color label (Gold)	Gold model only	2
108	473 7508 004	Screw 3x6	CBTS(P)-B	2	160	504 0176 009	AC protect sheet	U.K. model only	1
109	_	_			161	503 1228 008	Support pad	U.K. model only	1:
110	477 0263 005	3P swelling screw	Black model	4		122000	Sapport pad	G.A. M.Suoi Gray	'
110	477 0263 018	3P swelling screw	Gold model	4					
111		_							
112	473 7002 034	Screw 3x6	CBTS(S)-B	1					1
113	477 0018 001	Washer	P-87	1	-				
114	475 1175 002	:Washer		1					1
115	471 3304 031	Screw 3x8	CBS U.K. model only	1					
116	475 6006 008	Nut M3	U.K. model only	1					

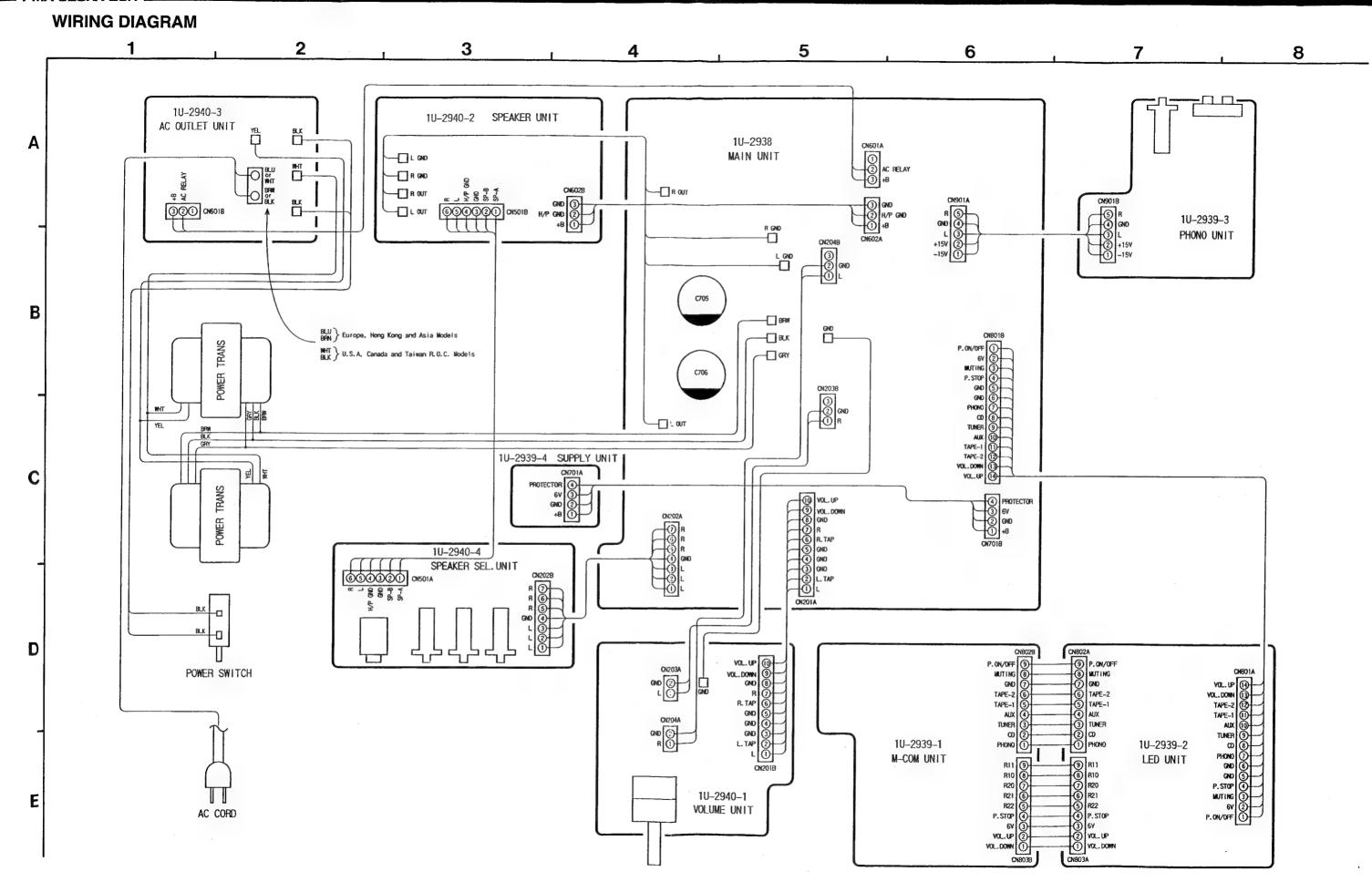
NOTE FOR PARTS LIST

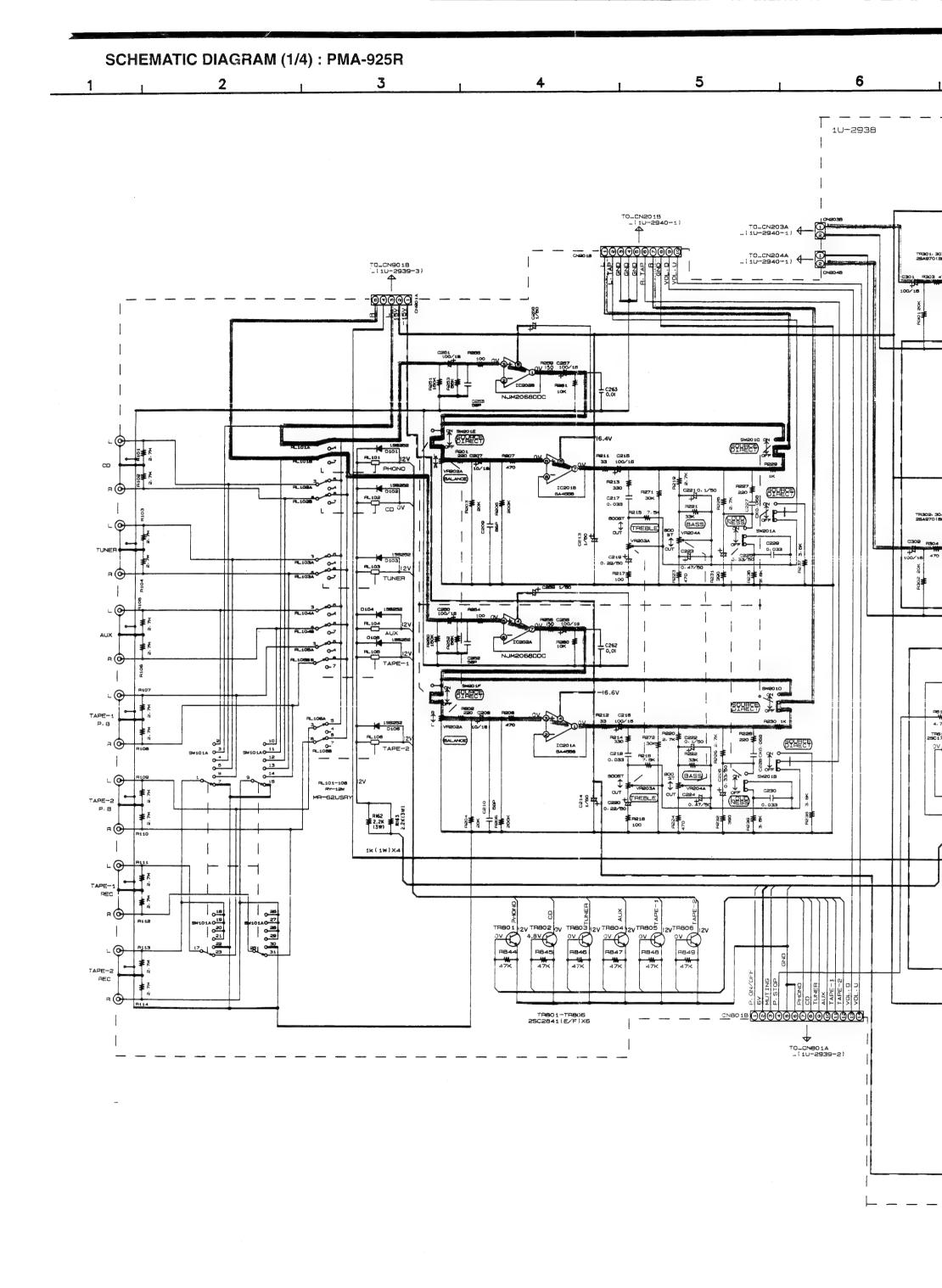
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- Part indicated with the mark "★" is not illustrated in the exploded view.

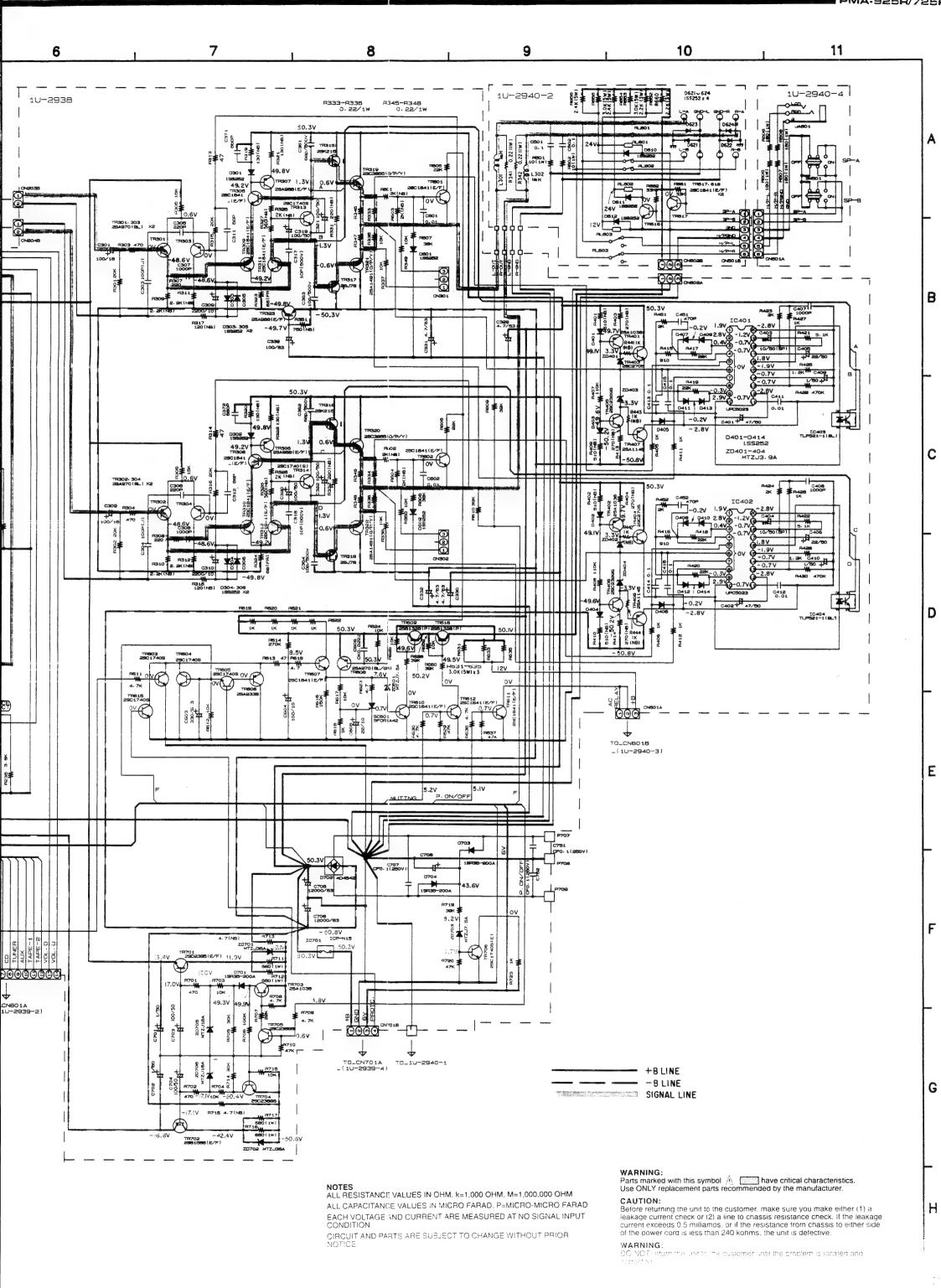
WARNING:

Parts marked with this symbol \(\bigcap \) many have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

29







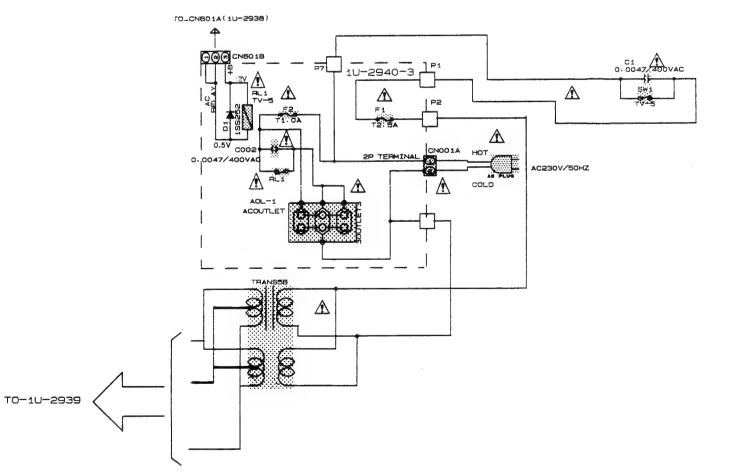
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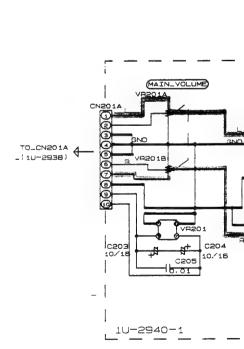
SCHEMATIC DIAGRAM (2/4): PMA-925R

10-2939-3 TR901-903 IC901A BA4558 L901 150µH 전 곳 왕 F 59 C935 C910 T R942 C926 330P C906 R920 82

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TO_CN901A(1U-2938)

NOTES ALL RESISTANCE VALUES IN OHM. k=1.000 OHM, M=1.000.000 OHM

ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD

EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:

Parts marked with this symbol (A) have critical characteristics.
Use ONLY replacement parts recommended by the

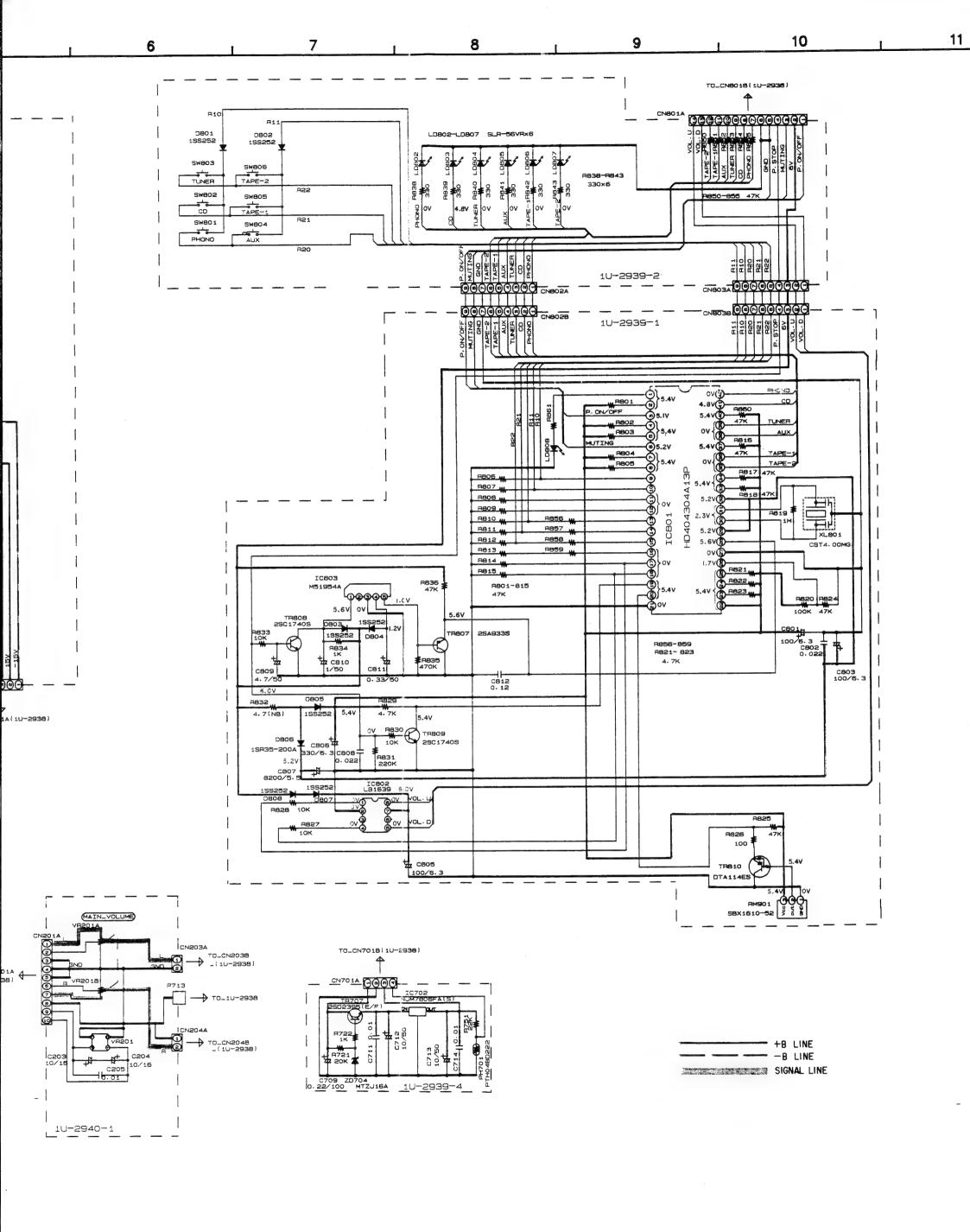
manufacturer. CAUTION:

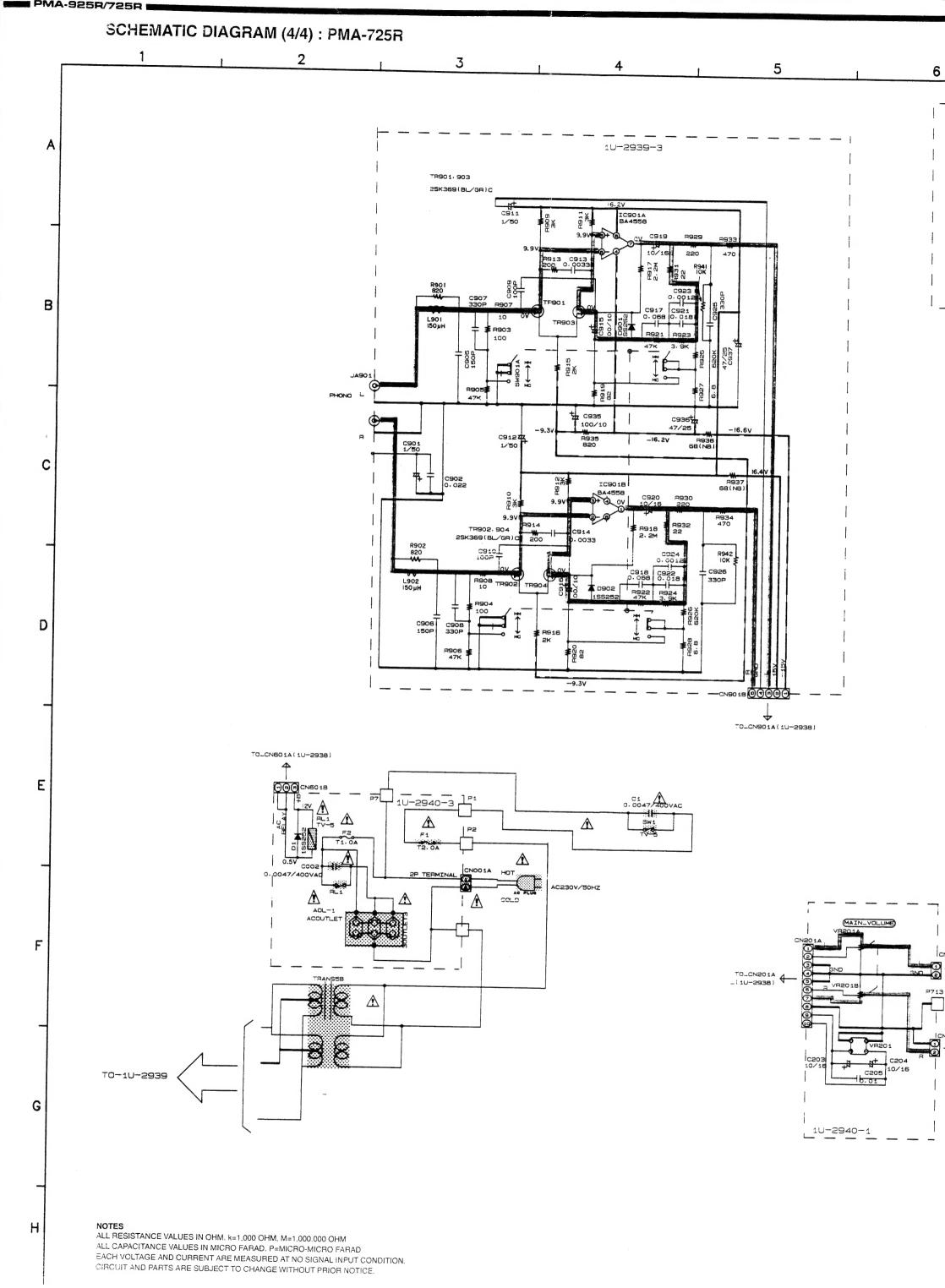
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 240 kohms, the unit is contenting. defective.

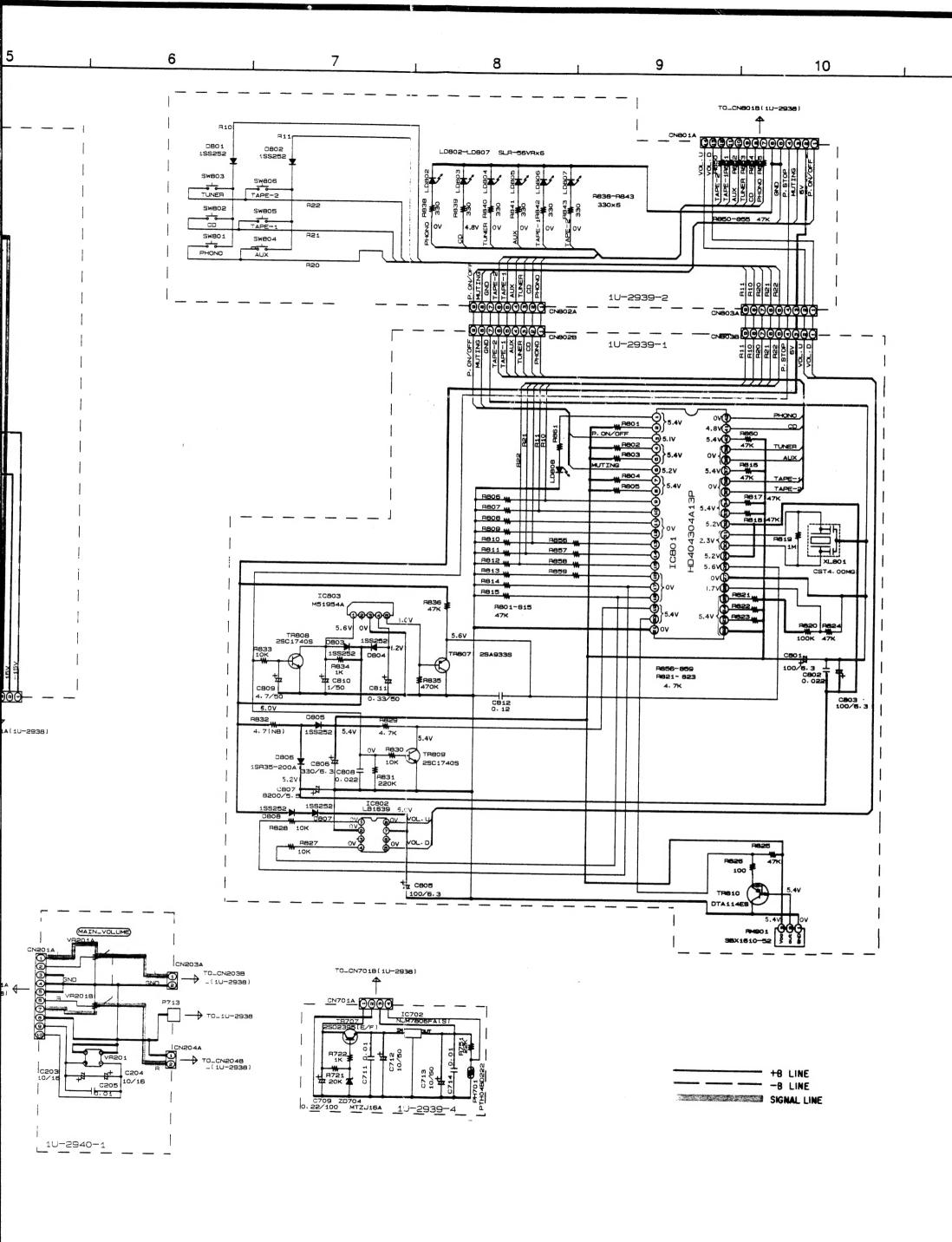
WARNING:DO NOT return the unit to the customer until the problem is located and corrected.

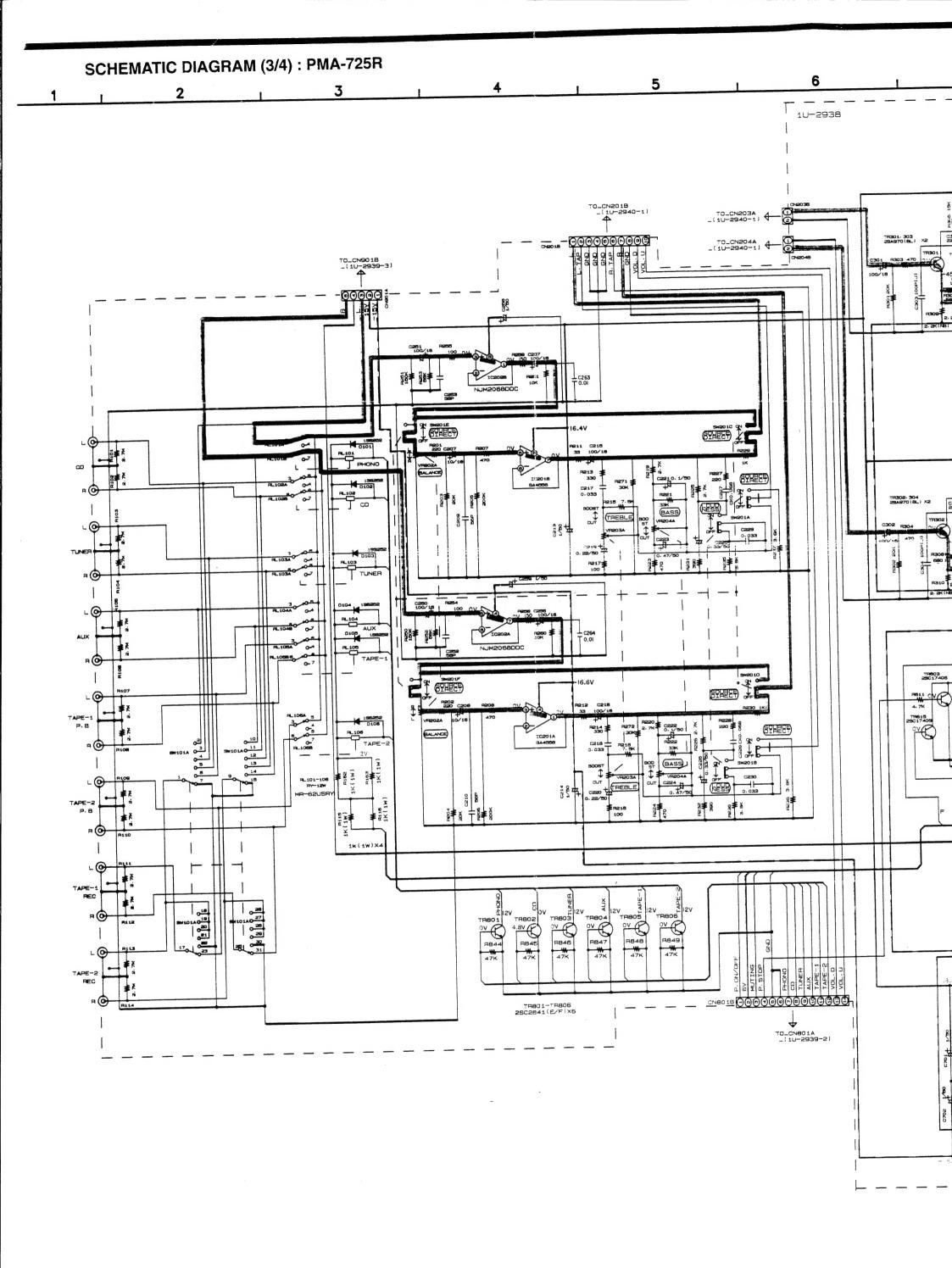
H

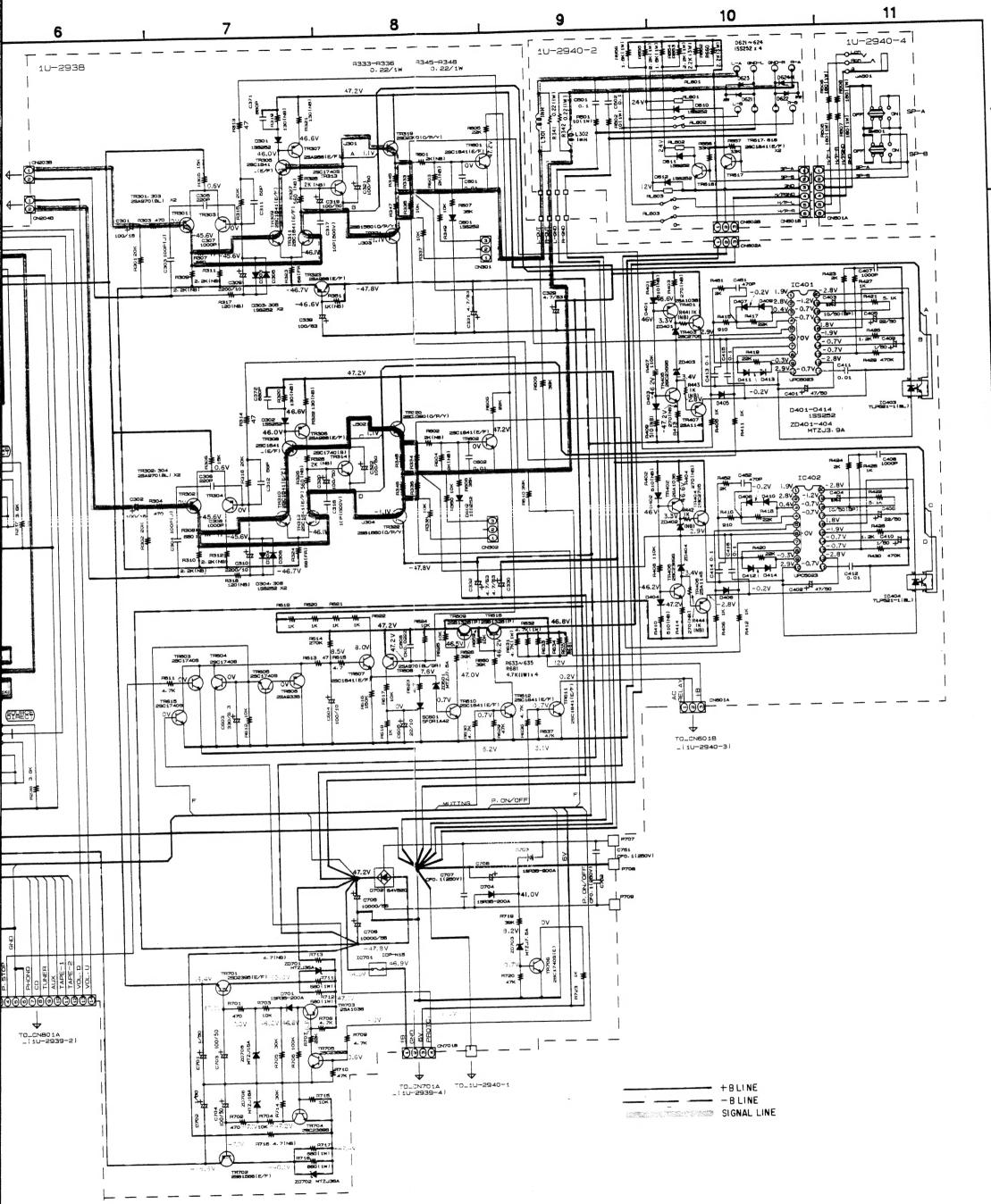
G











NOTES
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM. M=1,000,000 OHM
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM. M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WAHNING:
Parts marked with this symbol 🛕 _____ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 240 kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.